18620-3

REPORT

NMTBA
The Association For Manufacturing Technology

Direct Dial: (703)827-5260

STATISTICAL

No. 71-90 May 30, 1990

U.S. FOREIGN TRADE IN MANUFACTURING TECHNOLOGY – MARCH 1990

(Millions of U.S. Dollars)

	Mar. 1990	Feb. 1990	Average Dec.-Feb.	Year to Date '90	Year to Date '89	% Change YTD '89-'90
METAL CUTTING MACHINE TOOLS						
Exports	$ 60.4	$ 51.6	$ 55.3	$173.2	$113.6	52.5%
Imports	$129.8	$122.4	$150.3	$425.7	$440.5	(3.4%)
Balance	($ 69.4)	($ 70.8)	($ 95.0)	($252.5)	($326.9)	(22.8%)
METAL FORMING MACHINE TOOLS						
Exports	$ 40.1	$ 34.3	$ 39.2	$ 116.3	$117.0	(0.6%)
Imports	$ 38.5	$ 31.6	$ 39.4	$ 112.7	$146.1	(22.9%)
Balance	$ 1.6	$ 2.7	($ 0.2)	$ 3.6	($ 29.1)	N.M.
MACHINE TOOL TOTAL						
Exports	$100.5	$ 86.0	$ 94.5	$289.5	$230.6	25.5%
Imports	$168.3	$154.0	$189.7	$538.5	$586.6	(8.2%)
Balance	($ 67.8)	($ 68.0)	($ 95.2)	($249.0)	($356.0)	(30.1%)
NUMERICALLY CONTROLLED MACHINE TOOLS						
Exports	$ 35.0	$ 29.0	$ 29.2	$100.0	$ 58.4	71.2%
Imports	$ 90.8	$ 84.0	$104.8	$293.8	$299.4	(1.8%)
Balance	($ 55.8)	($ 55.0)	($ 75.6)	($193.8)	($241.0)	(19.5%)
OTHER MANUFACTURING TECHNOLOGY						
Exports	$162.0	$138.5	N.A.	$450.0	N.A.	N.A.
Imports	$154.6	$160.3	N.A.	$506.9	N.A.	N.A.
Balance	$ 7.4	($ 21.8)	N.A.	($ 56.9)	N.A.	N.A.

Note: Numerically controlled machine tools is a subgroup of the machine tool total. N.A. = not available; N.M. = not meaningful; ( ) denotes negative. Individual items may not add up to totals due to rounding.

• For the second time in three months, **U.S. machine tool exports reached over $100 million**. Prior to this year, exports had not exceeded this level since 1981.

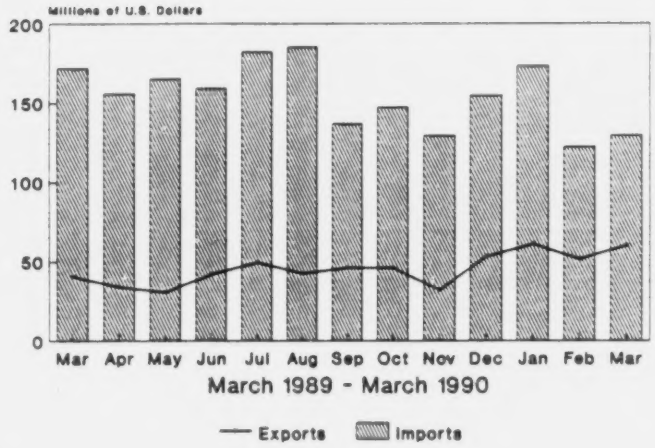
• The 1990 machine tool trade balance has improved by 30% compared with the first quarter of 1989, to a deficit of $249 million. **At this pace, the industry trade deficit for 1990 annualized would hit its lowest level since 1985**. The improvement is the result of both higher exports and lower imports.

• U.S. exports of numerically controlled machine tools are 71% above the first quarter 1989 level. Canada is by far the leading NC market at $30.1 million, followed by the United Kingdom at $15.2 million.

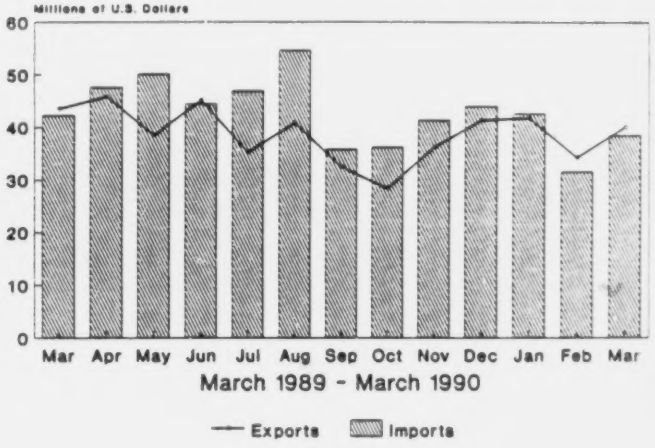
7901 WESTPARK DRIVE, McLEAN, VIRGINIA 22102-4269 / PHONE (703) 893-2900 / TLX: 353819 / FAX (703)893-1151

U.S. MONTHLY TRADE IN MACHINE TOOLS

METAL CUTTING



METAL FORMING



METAL CUTTING MACHINE TOOLS

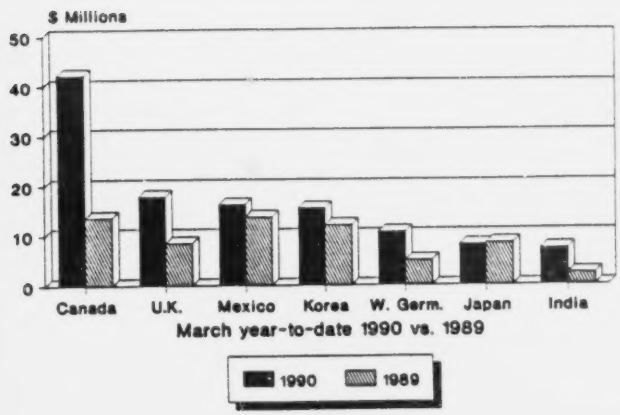
Exports

• Metal cutting exports of $60.4 million in March and $61.2 in January of 1990, represent the highest levels since 1981. These figures compare to a monthly average of $40.7 million during 1989, and just $37.0 million in 1988.

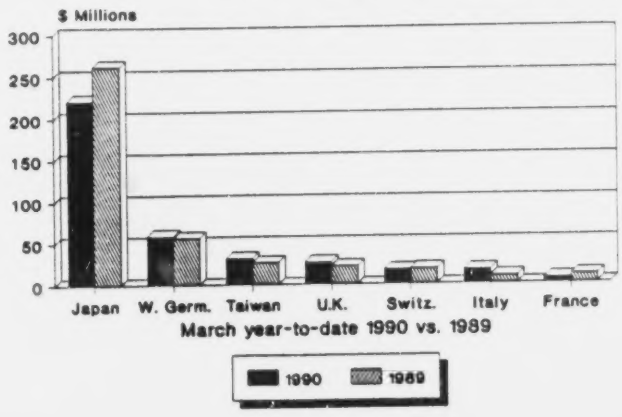
• Among fast growing export markets not in the top ten: exports to **Australia and Thailand** have nearly doubled during the first quarter of 1990, to $4.6 million and $1.0 million respectively; while shipments are up about five-fold to the **Soviet Union and Malaysia** compared with 1989 to $3.2 million and $0.4 million, respectively.

• Thus far in 1990, nearly every U.S. export category is up. **Grinding machines** show the largest export total, $38.3 million. While the value of grinding machine exports is up by 35%, the unit figure is down 7%.

LEADING U.S. EXPORT MARKETS
METAL CUTTING MACHINES



LEADING U.S. IMPORT SOURCES
METAL CUTTING MACHINES



Imports

• U.S. metal cutting imports of $129.8 million during March and $122.4 million in February are the smallest two-month import totals since 1988.

• Imports from Japan are down 16% from 1989 to $221.5 million. Countries showing large increases to the United States thus far in 1990 include: Italy, up 84% to $16.6 million; Singapore and Brazil, each doubling exports at $5.6 million and $4.1 million, respectively; and Sweden more than tripled to $3.4 million.

• During the first quarter of 1990, U.S. imports of boring machines are down 68% to $7.3 million, drilling machines are off 50% to $12.1 million, horizontal NC lathes have fallen 15% to $83.1 million, and milling machine imports are down 45% to $19.3 million.

METAL FORMING MACHINE TOOLS

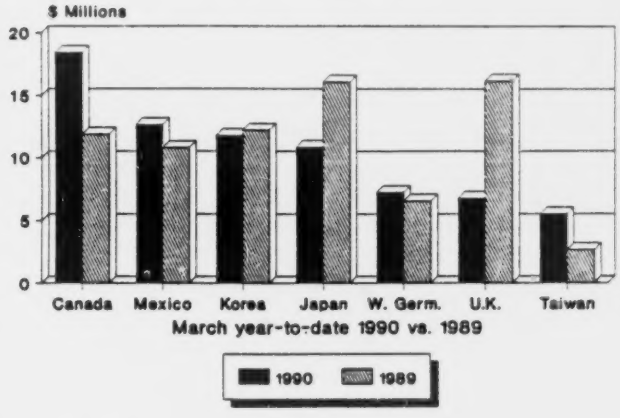
Exports

• The U.S. metal forming machine tool industry recorded its first monthly back-to-back trade surplus since 1982.

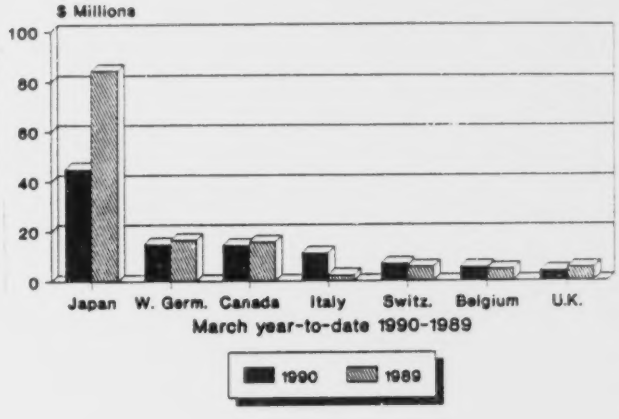
• India at $4.7 million, up 175% from the first quarter, is a fast growing metal forming export market. The bulk of the shipments to India are focused in the used or rebuilt machine category.

• U.S. exports in all major metal forming categories have increased thus far in 1990: punching and shearing exports are up by 26% to $19.8 million, bending and forming by 33% to $14.7 million, presses by 68% to $28.9 million, and forging machines by 23% to $10.7 million.

LEADING U.S. EXPORT MARKETS
METAL FORMING MACHINES



LEADING U.S. IMPORT SOURCES
METAL FORMING MACHINES



Imports

• First quarter 1990 U.S. metal forming imports are down 23% compared with 1989, to $112.7 million.

• During the first quarter of 1990, Japan accounted for about 40% of metal forming imports or $45.0 million, however this is 47% below the 1989 total. Imports from Italy have jumped by 381% to $11.2 million.

OTHER MANUFACTURING TECHNOLOGY

Exports

• U.S. exports of machine tool parts and accessories are up 21% compared with the first quarter of 1989, to $184.4 million. Canada ($44.6 million), the United Kingdom ($22.1 million), and West Germany ($20.4 million) are the top export markets.

• Exports of parts for plastics and rubber working machines amounted to $73.5 million during the first quarter, by far exceeding the level of exports for any complete machine category. Major export markets include Canada ($20.2 million) and Mexico ($6.9 million).

• U.S. exports of laser, light or photon beam for working any material are up slightly (1990 versus 1989) to $9.0 million. Japan is the largest export market at $3.7 million.

Imports

• The U.S. recorded a trade surplus in "other manufacturing technology" during March, as U.S. imports were down 4% from February and exports were up 17%.

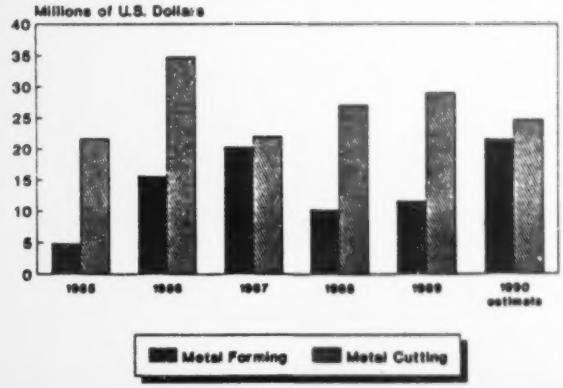
• U.S. imports of machine tool parts and accessories fell 10% compared with the first quarter of 1989, to $147.3 million. Japan is the largest U.S. supplier at $44.9 million, thus far in 1990.

• Parts of machines that work plastics or rubber is the second largest "other manufacturing technology" category (behind machine tool parts) at $80.9 million. West Germany is the largest U.S. foreign supplier for this category at $23.1 million.

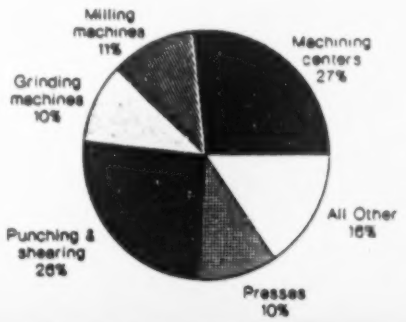
MONTHLY FOCUS

President Bush has submitted his recommendation to the U.S. Congress that Most-Favored-Nation (MFN) tariff treatment to China be renewed. Without MFN, machine tool tariffs into the United States from China would jump to between 30% and 45%, versus the current range of between 3% and 6%. Extending MFN with China would help ensure continued access by the United States to the vast potential of the Chinese market. Machine tool consumption in China has grown from an annual average of under $600 million during the early and mid-1980s, to an average of over $1 billion per year over the last three years. Thus far in 1990, China is the 8th largest U.S. export market.

U.S. MACHINE TOOL EXPORTS TO CHINA



U.S. Machine Tool Exports to China
Percent of total, by machine type
First Quarter 1990



U.S. EXPORTS
Metal Cutting Machine Tools - March 90

RELEASED: May 30, 1990

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456300000	Electro-discharge machines	27	1962	17	1270
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm(26")	23	4437	9	1471
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm(26")	7	1620	3	715
100035	Horiz. mach. ctrs., ATC	11	3692	7	1680
100045	Mach. ctrs., n.e.c.	108	12382	31	4677
200010	Unit construction mach. (single station transfer), NC	0	0	0	0
200090	Unit construction mach. (single station transfer), non-NC	4	1772	3	1683
300010	Multi-station transfer machines, NC	6	9872	2	2546
300090	Multi-station transfer machines, non-NC	22	4138	0	0
8458110010	Horiz. lathes, multiple spindle, NC	7	1111	1	90
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	88	6392	33	2413
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	9	1745	1	145
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	9	3326	0	0
190030	Horiz. engine or toolroom lathes, non-NC	30	575	5	178
190050	Automatic bar and/or chucking mach., single spindle, non-NC	1	104	0	0
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	25	1098	4	271
190090	Horiz. lathes, n.e.c., non-NC	102	1389	57	464
911060	Vertical turret lathes, multiple spindle, NC	0	0	0	0
911080	Vertical turret lathes, n.e.c., NC	2	316	0	0
915050	Vertical lathes, excl. VTL's, mult. spindle, NC	11	501	11	501
915070	Vertical lathes, excl. VTL's, n.e.c., NC	8	1298	5	391
991050	Vertical turret lathes, non-NC	5	77	3	45
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	19	1199	7	896
8459100000	Way-type unit head machines	14	1957	3	383
210080	Other drilling machines, NC	37	3693	19	1769
290040	Drilling machines, multiple spindle, non-NC	9	409	0	0
290050	Drilling machines, radial, non-NC	12	85	6	35
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	25	464	17	274
290090	Drilling machines, n.e.c., non-NC	174	1058	52	456
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	3	1569	0	0
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	1	83	0	0
310070	Boring-milling mach., n.e.c., NC	3	131	1	70
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	0	0	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	0	0	0	0
400040	Boring machines, vertical, NC	1	689	1	689
400050	Boring machines, vertical, non-NC	15	223	4	56
400070	Boring machines, n.e.c., NC	6	766	5	662
400080	Boring machines, n.e.c., non-NC	5	425	2	43
510080	Milling machines, knee type, NC	4	222	1	82
590030	Milling machines, knee type, non-NC	27	787	7	183
610080	Milling machines, excl. knee type, n.e.c., NC	20	6598	14	3874
690050	Milling machines, profile, dup., or die sinking, non-NC	19	338	1	6
690070	Milling machines, bed type, non-NC	0	0	0	0
690090	Milling machines, n.e.c., non-NC	82	4154	52	1128
700020	Threading or tapping machines, n.e.c., NC	9	523	2	47
700080	Threading or tapping machines, n.e.c., non-NC	90	1120	53	536
8460110080	Flat surface grinding mach., NC	13	526	8	348
190010	Flat surface grinding mach., recip.-table type, non-NC	21	399	12	149
190050	Flat surface grinding mach., n.e.c., non-NC	13	2007	3	199
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	27	9027	12	3287
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	11	1870	5	830
290030	Grinding mach., internal cylindrical, non-NC	14	1437	10	1341
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	122	5335	32	1414
310080	Sharpening machines (tool & cutter grinding), NC	8	218	2	51
390050	Sharpening machines (tool & cutter grinding), non-NC	227	6714	111	1301
400060	Honing or lapping machines, NC	0	0	0	0
400080	Honing or lapping machines, non-NC	216	5832	118	1336
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	4	693	2	236
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	282	4215	144	2100
8461100060	Planing machines, NC	1	111	0	0
100080	Planing machines, non-NC	101	2772	11	1494
200010	Shaping or slotting machines, NC	2	73	2	73
200090	Shaping or slotting machines, non-NC	16	483	2	115
300060	Broaching machines, NC	10	1139	2	312
300080	Broaching machines, non-NC	10	596	7	271
401050	Gear hobbers	8	838	5	661
401070	Gear shapers	16	2944	1	460
401090	Gear cutting machines, n.e.c.	23	6867	5	2019
405060	Gear grinding or finishing machines	30	2113	6	368
500050	Sawing or cutting-off machines, NC	49	1551	8	243
500090	Sawing or cutting-off machines, non-NC	414	6160	135	1482
9000000001	Metal cutting machine tools, n.e.c.	261	7418	125	3462
9800000001	Used or rebuilt machine tools	1108	12732	362	4991
9900000001	Machine tools valued at less than $2,500	8393	4850	3822	2083
	Cutting Total			5391	60352
	Y-T-D Cutting Total	12480	173221		
	NC Y-T-D Cutting Total*	552	77982		

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - March 90

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	2	266
8457100015	0	0	0	0	4	481	0	0	4	760
100025	0	0	0	0	0	0	0	0	2	595
100035	0	0	0	0	5	1105	0	0	0	0
100045	0	0	0	0	8	851	0	0	7	531
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	1	1089
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	1	85	0	0	12	899	0	0	1	71
110050	0	0	0	0	0	0	0	0	1	145
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	2	128
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	7	152
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	2	58
8459100000	0	0	0	0	0	0	0	0	0	0
210080	1	33	0	0	0	0	0	0	9	1231
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	6	35
290070	0	0	0	0	0	0	0	0	13	141
290090	0	0	0	0	0	0	0	0	37	221
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	1	689
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	5	662
400080	0	0	0	0	0	0	0	0	1	18
510080	0	0	0	0	0	0	0	0	1	82
590030	1	37	0	0	0	0	0	0	2	41
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	1	17	4	69
700020	0	0	1	23	0	0	0	0	0	0
700080	1	59	0	0	2	189	0	0	11	47
8460110080	0	0	0	0	0	0	0	0	2	143
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	1	83
210080	0	0	0	0	0	0	0	0	3	814
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	4	222	6	83
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	33	284
400060	0	0	0	0	0	0	0	0	0	0
400080	1	16	0	0	0	0	0	0	4	28
900060	0	0	0	0	0	0	0	0	0	0
900080	7	79	0	0	0	0	0	0	29	305
8461100060	0	0	0	0	0	0	0	0	0	0
100080	1	17	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	1	48
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	1	248
300080	3	50	0	0	0	0	0	0	3	146
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	1	460
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	2	263
500050	0	0	0	0	0	0	0	0	8	243
500090	30	231	0	0	0	0	5	95	24	284
9000000001	0	0	0	0	0	0	0	0	34	213
9800000001	4	146	0	0	0	0	7	78	47	563
9900000001	456	97	11	7	27	65	10	6	303	346
Month Tot	506	349	12	31	58	3590	27	418	621	11582
Y-T-D Tot	622	4618	45	100	173	6951	214	6099	1501	42209
NC YTD Tot*	7	1622	1	23	49	6273	5	1110	151	24721

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - March 90

	China		France		India		Indonesia		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	1	35
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	5	2145	1	202	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	1	102	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	1	73
190090	0	0	0	0	0	0	0	0	1	7
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	1	39
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	1	36
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	1	18	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	1	19
610080	11	1315	1	125	0	0	0	0	0	0
690050	0	0	0	0	1	6	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	1	13	0	0	0	0	0	0	1	316
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	3	14	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	3	31	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	1	359	0	0	0	0
290010	5	830	0	0	0	0	0	0	0	0
290030	2	73	0	0	5	1186	0	0	0	0
290050	0	0	0	0	2	88	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	2	52	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	3	27	1	123	0	0	1	10
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	2	18	0	0	18	170
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	1	580
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	0	0	2	33	0	0	15	234
9000000001	0	0	0	0	2	27	0	0	0	0
9800000001	20	170	4	143	4	170	0	0	3	9
9900000001	8	5	41	38	26	22	15	3	514	149
Month Tot	53	4652	50	535	55	2156	15	3	559	1677
Y-T-D Tot	60	6155	430	3414	129	7278	51	91	657	5173
NC YTD Tot*	19	4551	39	2485	9	2807	0	0	1	39

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - March 90

	Japan		Korea		Malaysia		Mexico		Netherlands	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	9	570	0	0	0	0	1	73	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	1	120	0	0	0	0	0	0
100035	0	0	1	270	0	0	0	0	0	0
100045	0	0	1	450	0	0	5	278	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	2	283	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	1	90	0	0	0	0	0	0
110030	5	397	1	51	0	0	1	88	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	2	98	0	0	0	0	0	0	0	0
190090	3	41	0	0	0	0	31	186	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	11	501	0	0
915070	1	25	0	0	0	0	4	367	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	3	43	0	0
8459100000	0	0	0	0	0	0	1	175	0	0
210080	0	0	1	54	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	1	3	0	0
290090	0	0	6	90	0	0	5	32	1	6
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	1	70	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	3	38	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	1	25	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	2	67	0	0	0	0
610080	0	0	2	2434	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	1	19	2	368	0	0	40	290	0	0
700020	0	0	1	23	0	0	0	0	0	0
700080	0	0	0	0	0	0	13	36	0	0
8460110080	0	0	0	0	0	0	6	206	0	0
190010	0	0	0	0	0	0	4	38	0	0
190050	0	0	1	58	0	0	0	0	0	0
210080	1	319	0	0	0	0	1	243	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	1	21	0	0
290050	1	84	0	0	0	0	7	243	6	208
310080	0	0	0	0	0	0	0	0	0	0
390050	19	125	1	398	4	22	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	4	47	47	494	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	15	158	12	122	0	0	14	169	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	1	700	2	37	0	0	1	6	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	1	75	0	0
401050	4	213	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	2	149	0	0	0	0	0	0
405060	0	0	0	0	0	0	1	49	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	9	73	4	60	0	0	9	50	11	63
9000000001	17	1710	6	107	0	0	7	52	0	0
9800000001	0	0	21	1544	0	0	179	972	2	6
9900000001	198	136	124	79	15	19	458	196	10	4
Month Tot	290	4713	240	[illegible]	21	108	809	4451	30	286
Y-T-D Tot	1070	8097	486	15490	61	373	2499	16219	194	1000
MC YTD Tot*	35	3764	37	61.[illegible]	0	0	56	3380	2	66

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - March 90

	Singapore		Spain		Switzerland		Taiwan		Thailand	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	1	130	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	1	7	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	1	18
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	1	68	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	1	58	0	0
210080	0	0	0	0	1	294	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	1	7	1	82	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	2	50	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	2	10	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	1	8	2	20	7	73	7	48	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	4	705
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	1	7	0	0
300060	1	64	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	1	575	0	0	0	0
405060	0	0	0	0	1	31	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	0	0	0	0	2	26	0	0
9000000001	1	6	0	0	2	14	21	250	0	0
9800000001	5	96	0	0	2	72	4	42	0	0
9900000001	412	139	33	51	21	13	33	23	4	7
Month Tot	423	518	36	153	37	1081	72	512	9	729
Y-T-D Tot	581	1829	70	1338	155	1960	244	2562	30	966
NC YTD Tot*	9	465	1	268	2	419	12	810	1	91

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - March 90

	U.K.		USSR		Venezuela		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	1	100	0	0	0	0	2	96	0	0
8457100015	1	230	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	1	306	0	0
100045	0	0	0	0	0	0	2	160	2	60
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	1	1400	0	0
300010	1	1457	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	11	721	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	3	51	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	1	99	0	0
190090	6	44	0	0	1	3	0	0	7	25
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	2	28	0	0	0	0	0	0	0	0
995090	0	0	0	0	1	755	0	0	1	41
8459100000	0	0	0	0	2	208	0	0	0	0
210080	0	0	0	0	0	0	0	0	7	412
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	3	130	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	1	4	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	1	18
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	2	36	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	6	145	0	0	0	0	0	0	17	47
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	5	80
190050	0	0	0	0	0	0	0	0	0	0
210080	2	589	0	0	0	0	2	424	1	245
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	2	61	0	0
290050	0	0	0	0	0	0	4	397	0	0
310080	0	0	0	0	0	0	0	0	2	51
390050	32	209	0	0	0	0	3	24	15	138
400060	0	0	0	0	0	0	0	0	0	0
400080	1	16	0	0	0	0	20	241	34	326
900060	0	0	0	0	0	0	0	0	2	236
900080	5	433	0	0	9	106	9	308	7	82
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	1	3	1	26
200010	0	0	0	0	0	0	1	25	0	0
200090	0	0	0	0	0	0	0	0	1	108
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	1	448	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	1	716	0	0
405060	2	25	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	10	104	0	0	0	0	4	98	10	131
9000000001	30	1035	0	0	2	21	0	0	3	26
9800000001	9	69	0	0	2	30	35	634	14	248
9900000001	112	96	0	0	256	88	278	64	457	431
Month Tot	239	5516	0	0	273	1212	369	5507	587	2731
Y-T-D Tot	841	17896	14	3208	292	1373	652	10672	1409	8150
NC YTD Tot*	68	13630	0	0	0	0	17	2277	31	3066

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
March 90

RELEASED: May 30, 1990

Metal Forming Machine Tools		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	90	2538	32	939
8462100030	Headers and upsetters, including cold headers	14	5471	7	1624
100050	Forging or die stamping machines, and hammers, n.e.c.	59	5201	24	1754
210080	Bending, folding, straight. or flat. mach., incl presses, NC	74	6818	24	2314
290030	Press brakes, non-NC	49	1176	11	187
290040	Bending rolls, non-NC	17	475	2	76
290050	Bending, folding, straight., or flat., n.e.c., non-NC	250	6272	91	2796
310080	Shearing machines, NC	22	2184	7	849
390050	Shearing machines, non-NC	101	2392	25	440
410080	Punching or notching mach., incl. comb. punch & shear, NC	55	9769	13	1932
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	205	5455	110	2325
910060	Hydraulic presses, NC	14	1271	6	606
910090	Hydraulic presses, non-NC	170	8663	59	1718
990030	Presses, n.e.c., NC	26	1991	7	918
990040	Presses, mechanical, non-NC	40	4146	22	2063
990060	Presses, n.e.c., non-NC	412	12796	179	5085
8463100080	Draw benches for bars, tubes, profiles, wire or the like	48	1067	25	535
200080	Thread rolling machines	12	388	3	51
300080	Machines for working wire	136	6472	42	3045
900080	Metal forming machine tools, n.e.c.	555	14179	210	5947
9800000002	Used or rebuilt machine tools	840	15203	369	3874
9900000002	Machine tools valued at less than $2,500	2948	2353	1294	1031
	Forming Total			2562	40108
	Y-T-D Forming Total	6137	116282		
	NC Y-T-D Forming Total	191	22033		
	Cutting and Forming Totals:				
	Monthly Total			7953	100460
	Y-T-D Total	18617	289503		
	NC Y-T-D Total*	743	100015		

Other Manufacturing Technology		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
1000000000	Machine tool parts and accessories	0	184378	0	64946
2000000000	Parts for working rubber or plastics - heading 8477	0	73541	0	28162
2710003070	Quenching or cutting oils	0	1797	0	622
8428900010	Industrial robots for lifting, handling, loading or unload	64	1340	39	493
8431390090	Parts industrial robots, handling and loading - heading 8428	0	17463	0	5886
8456100000	Laser, light or photon beam for working any material	163	8960	48	2252
200000	Ultrasonic process for working any material	22	547	6	194
8477106010	Injection molding mach., for rubber or oth. thermosetting	38	3098	12	692
106070	Injection molding mach., for thermoplastics	83	9063	32	4558
200010	Extruders for rubber or other thermosetting materials	95	4073	45	1346
200050	Extruders for processing thermoplastics	218	8482	82	1892
300000	Blow molding machines	124	8081	48	3804
400000	Vacuum-molding and other thermoforming machines	4051	5178	72	2094
510010	Machines for molding or retreading pneumatic tires	202	5190	42	857
510090	Machines for molding or otherwise forming inner tubes	110	7836	39	183
590000	Machines for molding or otherwise forming n.e.c.	324	4626	108	1683
800000	Machines for working rubber or plastics n.e.c.	1079	26770	446	12432
8479899040	Industrial robots, n.e.c.	1930	19964	684	6560
908040	Industrial robot parts	0	11741	0	4024
8537100030	Numerical controls for controlling machine tools	580	8203	198	2887
9024100000	Machines and appliances for testing metals	0	17959	0	6460
9031100000	Machines for balancing mechanical parts	0	9507	0	5218
300000	Profile projectors	0	1988	0	554
9032810040	Industrial process control instr., hydraulic or pneumatic	166692	10157	64003	4205

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "NC Y-T-D Total" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

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Metal Forming

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	7	40	0	0	1	13	0	0
8462100030	0	0	0	0	0	0	0	0	2	217
100050	0	0	0	0	0	0	1	51	3	417
210080	1	33	0	0	0	0	1	50	15	1883
290030	0	0	0	0	0	0	0	0	9	134
290040	0	0	0	0	1	29	0	0	0	0
290050	1	5	0	0	0	0	1	4	34	593
310080	0	0	0	0	0	0	0	0	1	26
390050	0	0	0	0	0	0	0	0	14	246
410080	1	34	0	0	0	0	3	339	4	334
490050	3	8	0	0	12	99	0	0	33	339
910060	0	0	0	0	0	0	0	0	1	431
910090	3	19	0	0	1	911	0	0	1	8
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	10	392	0	0	0	0	16	152	16	428
8463100080	2	11	0	0	0	0	1	20	0	0
200080	0	0	0	0	0	0	0	0	1	19
300080	0	0	0	0	0	0	1	31	4	46
900080	2	41	0	0	0	0	5	134	26	310
9800000002	0	0	0	0	1	104	2	29	82	1163
9900000002	12	10	0	0	36	40	145	59	258	249
Month Tot	35	552	7	40	51	1184	177	880	504	6841
Y-T-D Tot	103	1001	24	770	70	1274	207	1063	1036	18432
NC YTD Tot	4	161	0	0	0	0	5	402	44	5373
C&F Month	541	1401	19	71	109	4774	204	1298	1125	18423
C&F Y-T-D	725	5620	69	870	243	8225	421	7163	2537	60641
C&F NC YTD*	11	1783	1	23	49	6273	10	1512	195	30094

Other Manufacturing Technology

1000000000	0	929	0	157	0	684	0	649	0	14809
2000000000	0	328	0	57	0	616	0	1217	0	6546
2710003070	0	12	0	0	0	0	0	6	0	56
8428900010	0	0	0	0	0	0	0	0	1	10
8431390090	0	229	0	0	0	65	0	24	0	800
8456100000	0	0	0	0	0	0	0	0	3	283
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	2	175
106070	1	90	0	0	0	0	0	0	5	1258
200010	4	102	0	0	0	0	0	0	26	843
200050	1	45	0	0	0	0	0	0	10	235
300000	0	0	0	0	0	0	7	738	2	346
400000	0	0	0	0	0	0	0	0	19	888
510010	0	0	0	0	0	0	1	19	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	2	53	2	32	4	63	0	0	10	399
800000	5	58	1	9	2	31	0	0	105	4688
8479899040	1	5	0	0	4	25	0	0	504	3013
908040	0	0	0	0	0	17	0	0	0	3181
8537100030	1	12	1	12	0	0	1	18	13	146
9024100000	0	102	0	4	0	77	0	4	0	571
9031100000	0	0	0	0	0	0	0	253	0	2142
300000	0	0	0	0	0	0	0	0	0	83
9032810040	1004	118	523	30	2532	127	0	0	1368	163

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
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Metal Forming

	China		France		India		Indonesia		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	2	35	4	27	4	44	4	17	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	1	47	0	0	0	0	0	0
290050	0	0	13	174	2	853	0	0	2	12
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	1	11	0	0	0	0	0	0
410080	0	0	0	0	0	0	0	0	0	0
490050	3	227	3	36	0	0	0	0	13	156
910060	0	0	0	0	0	0	0	0	0	0
910090	1	26	3	96	0	0	0	0	1	11
990030	0	0	0	0	0	0	0	0	1	229
990040	5	504	0	0	0	0	0	0	0	0
990060	0	0	0	0	0	0	0	0	0	0
8463100080	0	0	4	84	2	83	0	0	0	0
200080	0	0	0	0	1	25	0	0	0	0
300080	0	0	6	63	0	0	0	0	3	110
900080	1	595	0	0	5	149	0	0	2	51
9800000002	0	0	5	106	68	377	0	0	1	29
9900000002	0	0	55	20	16	9	0	0	9	8
Month Tot	12	1387	95	665	98	1540	4	17	32	607
Y-T-D Tot	38	5417	153	4952	207	4674	5	24	66	2378
NC YTD Tot	3	2629	18	2465	0	0	0	0	3	589
C&F Month	65	6039	145	1200	153	3696	19	20	591	2283
C&F Y-T-D	98	11572	583	8366	336	11953	56	115	723	7551
C&F NC YTD*	22	7180	57	4950	9	2807	0	0	4	628

Other Manufacturing Technology

1000000000	0	389	0	2060	0	375	0	35	0	1834
2000000000	0	2886	0	295	0	957	0	19	0	273
2710003070	0	0	0	0	0	0	0	78	0	0
8428900010	18	178	2	80	0	0	0	0	13	135
8431390090	0	192	0	278	0	20	0	10	0	0
8456100000	0	0	0	0	0	0	0	0	1	27
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106070	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200050	0	0	0	0	0	0	0	0	0	0
300000	0	0	1	177	0	0	0	0	0	0
400000	0	0	0	0	0	0	0	0	0	0
510010	0	0	1	15	0	0	0	0	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	0	0	5	75	0	0	0	0	6	103
800000	0	0	0	0	14	201	2	18	5	550
8479899040	0	0	3	58	0	0	0	0	3	196
908040	0	0	0	69	0	0	0	0	0	24
8537100030	0	0	40	502	0	0	0	0	5	64
9024100000	0	660	0	204	0	56	0	329	0	13
9031100000	0	0	0	0	0	38	0	19	0	48
300000	0	0	0	296	0	0	0	0	0	96
9032810040	17	19	2495	178	299	29	0	0	2556	157

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
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	Japan		Korea		Malaysia		Mexico		Netherlands	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	1	50	5	512	0	0	0	0	0	0
8462100030	5	1407	0	0	0	0	0	0	0	0
100050	5	298	0	0	0	0	5	306	0	0
210080	0	0	0	0	1	28	0	0	2	180
290030	1	4	0	0	0	0	1	48	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	6	120	1	122	0	0	7	110	5	121
310080	2	640	0	0	0	0	4	183	0	0
390050	0	0	0	0	0	0	8	158	0	0
410080	0	0	1	95	0	0	1	178	1	178
490050	6	490	1	24	1	9	9	199	0	0
910060	0	0	2	91	0	0	3	85	0	0
910090	1	16	0	0	0	0	35	404	1	8
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	1	45	0	0	0	0	0	0
990060	3	308	5	1075	0	0	26	263	1	29
8463100080	0	0	1	102	0	0	2	46	0	0
200080	0	0	0	0	0	0	1	7	0	0
300080	0	0	4	391	2	53	8	158	0	0
900080	6	188	6	157	1	70	19	710	1	5
9800000002	1	55	7	150	0	0	57	565	0	0
9900000002	109	49	0	0	0	0	292	283	0	0
Month Tot	146	3626	34	2763	5	160	478	3703	11	521
Y-T-D Tot	316	10880	137	11812	21	280	1666	12686	75	1965
NC YTD Tot	9	1902	9	989	2	65	25	2110	10	931
C&F Month	436	8340	274	10106	26	267	1287	8154	41	807
C&F Y-T-D	1386	18977	623	27303	82	653	4165	28905	269	2964
C&F NC YTD*	44	5667	46	7105	2	65	81	5490	12	997

Other Manufacturing Technology

1000000000	0	6048	0	1565	0	287	0	4629	0	486
2000000000	0	1725	0	139	0	203	0	3482	0	111
2710003070	0	0	0	0	0	0	0	49	0	0
8428900010	4	37	0	0	0	0	0	0	0	0
8431390090	0	79	0	103	0	0	0	1322	0	202
8456100000	10	332	1	13	1	86	0	0	1	135
200000	0	0	0	0	0	0	1	33	0	0
8477106010	0	0	3	211	0	0	7	306	0	0
106070	0	0	0	0	0	0	14	2452	0	0
200010	0	0	0	0	0	0	12	326	0	0
200050	13	278	17	429	1	23	12	197	0	0
300000	0	0	0	0	0	0	9	625	0	0
400000	4	95	28	486	0	0	10	595	0	0
510010	3	75	0	0	0	0	1	14	0	0
510090	0	0	0	0	0	0	31	111	0	0
590000	4	141	10	161	0	0	37	215	0	0
800000	13	1895	23	356	1	15	221	2567	1	19
8479899040	3	49	0	0	7	112	7	104	0	0
908040	0	97	0	27	0	0	0	0	0	0
8537100030	1	18	2	21	0	0	0	0	0	0
9024100000	0	1428	0	274	0	10	0	162	0	21
9031100000	0	49	0	1920	0	0	0	263	0	8
300000	0	0	0	0	0	0	0	0	0	0
9032810040	4528	315	6282	132	52	3	165	84	12212	654

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
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	Singapore		Spain		Switzerland		Taiwan		Thailand	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	2	105	0	0	0	0
210080	0	0	1	31	1	30	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	1	7	4	89	1	40
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
410080	0	0	0	0	0	0	0	0	0	0
490050	1	58	1	70	0	0	1	162	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	0	0	2	58	0	0
990030	0	0	0	0	0	0	5	596	0	0
990040	1	30	0	0	1	120	12	550	0	0
990060	1	7	0	0	1	34	49	964	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	1	27	0	0	0	0
900080	0	0	0	0	0	0	3	1609	0	0
9800000002	4	3	0	0	0	0	13	87	1	17
9900000002	28	24	0	0	35	30	0	0	0	0
Month Tot	35	123	2	101	42	352	89	4115	2	58
Y-T-D Tot	100	1071	14	808	103	947	119	5521	26	370
NC YTD Tot	0	0	1	31	1	30	15	1244	0	0
C&F Month	458	641	38	254	79	1434	161	4627	11	787
C&F Y-T-D	681	2899	84	2146	258	2907	363	8083	56	1336
C&F NC YTD*	9	465	2	299	3	449	27	2054	1	91

Other Manufacturing Technology

1000000000	0	926	0	660	0	495	0	636	0	429
2000000000	0	600	0	179	0	304	0	685	0	198
2710003070	0	13	0	0	0	0	0	124	0	4
8428900010	0	0	0	0	0	0	0	0	0	0
8431390090	0	67	0	0	0	3	0	3	0	0
8456100000	3	78	7	155	0	0	2	699	0	0
200000	0	0	2	53	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106070	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200050	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	6	424	16	588	0	0
400000	0	0	0	0	9	14	2	16	0	0
510010	2	32	4	88	0	0	0	0	0	0
510090	0	0	0	0	1	24	0	0	0	0
590000	1	35	2	21	4	57	1	11	0	0
800000	6	66	1	400	24	40	0	0	1	33
8479899040	8	50	3	130	27	272	2	159	0	0
908040	0	21	0	5	0	88	0	5	0	0
8537100030	0	0	2	16	9	135	0	0	2	25
9024100000	0	59	0	80	0	49	0	44	0	0
9031100000	0	10	0	14	0	0	0	20	0	0
300000	0	4	0	0	0	7	0	0	0	0
9032810040	888	327	1353	68	50	6	943	336	8427	30

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
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	U.K.		USSR		Venezuela		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	1	11	0	0	0	0	0	0	3	190
8462100030	0	0	0	0	0	0	0	0	0	0
100050	5	378	0	0	0	0	0	0	3	198
210080	0	0	0	0	0	0	0	0	2	80
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	11	347	2	199
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	2	25	0	0
410080	2	776	0	0	0	0	0	0	0	0
490050	3	37	0	0	0	0	1	17	19	395
910060	0	0	0	0	0	0	0	0	0	0
910090	6	62	0	0	0	0	0	0	4	98
990030	1	92	0	0	0	0	0	0	0	0
990040	1	599	0	0	0	0	1	215	0	0
990060	45	934	0	0	0	0	2	452	4	48
8463100080	2	85	0	0	0	0	11	103	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	1	13	0	0	0	0	8	116	4	2036
900080	99	1269	0	0	1	15	17	389	16	256
9800000002	1	15	0	0	0	0	5	371	121	803
9900000002	96	80	0	0	22	18	73	68	108	83
Month Tot	263	4352	0	0	23	33	131	2103	286	4385
Y-T-D Tot	439	6794	0	0	45	276	394	7263	773	15621
NC YTD Tot	9	1529	0	0	1	28	3	382	29	1172
C&F Month	502	9868	0	0	296	1245	500	7610	873	7116
C&F Y-T-D	1280	24690	14	3208	337	1650	1046	17935	2182	23771
C&F NC YTD*	77	15159	0	0	1	28	20	2660	60	4238

Other Manufacturing Technology

1000000000	0	9463	0	6	0	530	0	6513	0	10353
2000000000	0	1010	0	0	0	337	0	2342	0	3654
2710003070	0	5	0	0	0	4	0	35	0	235
8428900010	0	0	0	0	0	0	1	54	0	0
8431390090	0	106	0	0	0	31	0	48	0	2305
8456100000	9	213	0	0	0	0	2	31	8	202
200000	0	0	0	0	0	0	0	0	3	108
8477106010	0	0	0	0	0	0	0	0	0	0
106070	5	328	0	0	0	0	7	430	0	0
200010	0	0	0	0	0	0	0	0	3	75
200050	1	10	0	0	0	0	19	478	8	198
300000	0	0	0	0	0	0	4	72	3	835
400000	0	0	0	0	0	0	0	0	0	0
510010	11	280	0	0	8	182	0	0	11	151
510090	0	0	0	0	0	0	0	0	7	48
590000	9	128	0	0	0	0	5	94	6	96
800000	2	24	0	0	0	0	3	257	16	1205
8479899040	11	202	0	0	0	0	71	1791	30	392
908040	0	253	0	0	0	15	0	89	0	135
8537100030	65	976	0	0	0	0	29	544	27	399
9024100000	0	1119	0	3	0	120	0	629	0	443
9031100000	0	65	0	0	0	199	0	32	0	139
300000	0	3	0	0	0	0	0	54	0	10
9032810040	8184	759	0	0	175	21	4980	274	4970	377

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

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Metal Cutting and Metal Forming Machine Tool Totals
March 90

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Bulgaria	0	0	0	0	0	0
Czechoslovakia	0	0	0	0	0	0
Denmark	1	49	0	0	1	49
East Germany	0	0	0	0	0	0
Finland	0	0	11	232	11	232
Greece	88	58	0	0	88	58
Hungary	0	0	0	0	0	0
Iceland	0	0	0	0	0	0
Ireland	15	166	3	22	18	188
Luxembourg	0	0	0	0	0	0
Norway	9	217	2	30	11	247
Poland	1	4	1	18	2	22
Portugal	2	3	0	0	2	3
Romania	0	0	0	0	0	0
Sweden	15	692	22	18	37	710
Turkey	13	8	2	82	15	90
Yugoslavia	1	245	1	170	2	415
Oth Europe	0	0	0	0	0	0
TOTAL	1535	19818	676	10497	2211	30314
NORTH AND CENTRAL AMERICA						
Bahamas	0	0	0	0	0	0
Barbados	0	0	1	4	1	4
Belize	0	0	4	3	4	3
Bermuda	18	12	0	0	18	12
Costa Rica	2	11	4	3	6	14
Dominican Rep	1	21	28	60	29	81
El Salvador	0	0	0	0	0	0
Guatemala	1	6	0	0	1	6
Haiti	0	0	0	0	0	0
Honduras	17	10	2	4	19	14
Jamaica	16	72	4	4	20	76
Panama	0	0	0	0	0	0
Trinidad	0	0	2	52	2	52
Oth N & C Am.	1	22	4	52	5	74
TOTAL	1486	16187	1031	10727	2517	26914
SOUTH AMERICA						
Argentina	2	19	0	0	2	19
Bolivia	0	0	0	0	0	0
Chile	42	73	2	31	44	104
Colombia	9	102	28	221	37	323
Ecuador	19	45	0	0	19	45
Paraguay	0	0	0	0	0	0
Peru	1	38	2	72	3	110
Uruguay	0	0	0	0	0	0
Oth South Am.	0	0	0	0	0	0
TOTAL	373	1907	232	1237	605	3144
OCEANIA						
New Zealand	5	130	2	198	7	328
Oth Oceania	0	0	0	0	0	0
TOTAL	511	979	37	750	548	1729

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
March 90

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
Bangladesh	0	0	0	0	0	0
Hong Kong	204	216	29	248	233	464
Iran	0	0	0	0	0	0
Iraq	0	0	1	1944	1	1944
Israel	5	41	1	11	6	52
Jordan	0	0	1	5	1	5
Kuwait	2	18	0	0	2	18
Laos	0	0	0	0	0	0
Lebanon	0	0	0	0	0	0
Macao	0	0	0	0	0	0
Oman	0	0	0	0	0	0
Pakistan	7	18	0	0	7	18
Philippines	34	172	120	683	154	855
Qatar	0	0	0	0	0	0
Saudi Arabia	5	47	7	83	12	130
Sri Lanka	0	0	0	0	0	0
Syria	0	0	0	0	0	0
United Arab Emr	0	0	0	0	0	0
Vietnam	0	0	0	0	0	0
Oth Asia	2	9	0	0	2	9
TOTAL	1437	21255	584	16763	2021	38018
AFRICA						
Algeria	0	0	2	134	2	134
Botswana	0	0	0	0	0	0
Egypt	16	27	0	0	16	27
Ethiopia	0	0	0	0	0	0
Gabon	0	0	0	0	0	0
Ghana	0	0	0	0	0	0
Guinea	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Malawi	0	0	0	0	0	0
Mauritius	0	0	0	0	0	0
Morocco	0	0	0	0	0	0
Niger	0	0	0	0	0	0
Nigeria	21	31	0	0	21	31
South Africa	12	149	0	0	12	149
Sudan	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Tunisia	0	0	0	0	0	0
Zaire	0	0	0	0	0	0
Zambia	0	0	0	0	0	0
Zimbabwe	0	0	0	0	0	0
Oth Africa	0	0	0	0	0	0
TOTAL	49	208	2	134	51	342

Note: Region totals include top countries detailed by product as well as countries listed above.

Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include code 8456300000.

RELEASED: May 30, 1990

U.S. IMPORTS - Metal Cutting Machine Tools - March 90

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456301010	Traveling wire electro-discharge machines, NC *	273	16002	126	7390
301050	Electro-discharge machines, n.e.c., NC	49	2203	20	1114
301070	Electro-discharge machines, n.e.c., non-NC	94	2116	17	351
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm(26")	624	51303	181	13522
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm(26")	37	6157	14	2334
100035	Horiz. mach. ctrs., ATC	178	40807	57	13294
100045	Mach. ctrs., n.e.c.	61	6101	18	1828
200010	Unit construction mach. (single station transfer), NC	13	1295	6	666
200090	Unit construction mach. (single station transfer), non-NC	0	0	0	0
300010	Multi-station transfer machines, NC	8	3535	3	1622
300090	Multi-station transfer machines, non-NC	19	5696	6	1410
8458110010	Horiz. lathes, multiple spindle, NC	82	12739	11	1685
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	653	45384	230	14449
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	154	20396	44	6184
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	18	4542	5	1976
190030	Horiz. engine or toolroom lathes, non-NC	1048	9948	436	3660
190050	Automatic bar and/or chucking mach., single spindle, non-NC	107	5248	11	495
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	42	3433	23	1731
190090	Horiz. lathes, n.e.c., non-NC	407	4078	250	2283
911060	Vertical turret lathes, multiple spindle, NC	13	2154	7	740
911080	Vertical turret lathes, n.e.c., NC	7	1479	2	637
915050	Vertical lathes, excl. VTL's, mult. spindle, NC	0	0	0	0
915070	Vertical lathes, excl. VTL's, n.e.c., NC	22	2786	1	326
991050	Vertical turret lathes, non-NC	41	771	4	171
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	250	4371	88	1731
8459100000	Way-type unit head machines	0	0	0	0
210080	Other drilling machines, NC	101	6977	36	2795
290040	Drilling machines, multiple spindle, non-NC	40	1125	8	283
290050	Drilling machines, radial, non-NC	113	851	35	348
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	18	184	7	111
290090	Drilling machines, n.e.c., non-NC	112	2938	45	1230
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	2	297	2	297
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	24	2415	5	158
310070	Boring-milling mach., n.e.c., NC	12	636	8	311
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	8	526	2	51
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	28	895	12	53
400040	Boring machines, vertical, NC	0	0	0	0
400050	Boring machines, vertical, non-NC	13	477	6	91
400070	Boring machines, n.e.c., NC	7	396	0	0
400080	Boring machines, n.e.c., non-NC	44	1675	6	1180
510080	Milling machines, knee type, NC	116	2482	32	641
590030	Milling machines, knee type, non-NC	927	6558	367	2601
610080	Milling machines, excl. knee type, n.e.c., NC	75	3836	20	604
690050	Milling machines, profile, dup., or die sinking, non-NC	6	28	0	0
690070	Milling machines, bed type, non-NC	21	771	8	155
690090	Milling machines, n.e.c., non-NC	164	5584	63	450
700020	Threading or tapping machines, n.e.c., NC	47	2223	21	1057
700080	Threading or tapping machines, n.e.c., non-NC	53	1130	27	653
8460110080	Flat surface grinding mach., NC	25	1754	9	872
190010	Flat surface grinding mach., recip.-table type, non-NC	261	3383	87	904
190050	Flat surface grinding mach., n.e.c., non-NC	512	4791	168	1893
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	113	20553	43	6523
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	124	4208	44	1922
290030	Grinding mach., internal cylindrical, non-NC	28	3035	9	397
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	250	9996	62	1928
310080	Sharpening machines (tool & cutter grinding), NC	65	1278	10	645
390050	Sharpening machines (tool & cutter grinding), non-NC	237	2757	59	636
400060	Honing or lapping machines, NC	10	974	2	74
400080	Honing or lapping machines, non-NC	64	1658	31	1030
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	15	693	4	232
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	372	10901	195	2320
8461100060	Planing machines, NC	0	0	0	0
100080	Planing machines, non-NC	1	5	0	0
200010	Shaping or slotting machines, NC	65	2295	1	58
200090	Shaping or slotting machines, non-NC	72	1116	6	97
300060	Broaching machines, NC	2	5118	0	0
300080	Broaching machines, non-NC	17	917	1	4
401020	Gear cutting for bevel gears	0	0	0	0
401030	Gear hobbers	15	2136	4	275
401040	Gear shapers	8	2243	4	1013
401060	Gear cutting machines, n.e.c.	63	416	19	48
405050	Gear grinding or finishing for bevel gears	41	586	41	586
405070	Gear grinding or finishing machines, n.e.c.	23	7161	6	1761
500050	Sawing or cutting-off machines, NC	46	1604	7	156
500090	Sawing or cutting-off machines, non-NC	482	7745	119	3447
9000000001	Metal cutting machine tools, n.e.c.	113	2864	36	1000
9800000001	Used or rebuilt machine tools	464	8036	206	2178
9900000001	Machine tools valued at less than $2,500	207035	22957	63357	7159
	Cutting Total			66800	129827
	Y-T-D Cutting Total	216654	425730		
	NC Y-T-D Cutting Total	2922	270588		

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - March 90

	Belgium		Brazil		Canada		France		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301010	0	0	0	0	0	0	0	0	0	0
301050	0	0	0	0	0	0	0	0	0	0
301070	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	1	65	0	0
100025	0	0	0	0	0	0	5	513	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	1	980
300090	0	0	0	0	2	604	0	0	1	426
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	3	31	0	0
110050	0	0	0	0	0	0	1	63	0	0
110090	0	0	0	0	0	0	0	0	2	1413
190030	0	0	129	822	10	113	1	64	0	0
190050	0	0	5	22	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	182	980	0	0	2	6	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	1	488	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	1	164	0	0
995090	0	0	6	23	10	33	11	615	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	2	133	1	146	0	0
290040	0	0	0	0	0	0	0	0	3	20
290050	0	0	20	194	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	2	32	0	0	5	1005
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	6	91
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	1	10	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	1	5	0	0	2	24
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	1	4	0	0	0	0
8460110080	1	104	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	1	33
190050	0	0	0	0	2	7	0	0	1	17
210080	0	0	0	0	0	0	1	39	0	0
290010	0	0	0	0	19	127	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	11	49	0	0	1	47
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	4	13	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	1	25
900060	0	0	0	0	0	0	0	0	1	11
900080	1	3	0	0	12	61	10	31	29	288
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	3	8	0	0	2	6	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	0	0
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	0	0	1	3	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	1	7
500090	0	0	0	0	39	484	0	0	14	157
9000000001	0	0	0	0	2	31	16	269	0	0
9800000001	2	240	0	0	11	109	1	73	1	2
9900000001	1	1	7	16	49	55	206	165	5139	826
Month Tot	8	356	349	2056	181	1879	261	2730	5209	5371
Y-T-D Tot	15	540	583	4055	466	5980	503	6035	11005	16596
NC YTD Tot	1	104	1	435	11	1417	34	3128	28	3380

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - March 90

	Japan		Korea		Singapore		Spain		Sweden	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301010	78	5607	0	0	0	0	0	0	0	0
301050	8	705	0	0	0	0	1	18	1	2
301070	1	80	0	0	0	0	0	0	0	0
8457100015	94	8625	2	127	4	279	0	0	0	0
100025	9	1821	0	0	0	0	0	0	0	0
100035	46	11218	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	6	666	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	2	642	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	10	1556	0	0	0	0	0	0	0	0
110030	170	12717	2	126	0	0	0	0	0	0
110050	42	5667	0	0	0	0	0	0	0	0
110090	2	459	0	0	0	0	0	0	0	0
190030	6	105	14	133	21	267	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	4	884	0	0	0	0	0	0	0	0
911060	3	547	0	0	0	0	0	0	0	0
911080	1	149	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	1	326	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	9	626	0	0	7	72	1	3
8459100000	0	0	0	0	0	0	0	0	0	0
210080	31	2339	0	0	0	0	0	0	1	7
290040	0	0	0	0	0	0	0	0	0	0
290050	1	4	0	0	0	0	2	64	0	0
290070	3	80	0	0	0	0	0	0	0	0
290090	4	34	0	0	0	0	17	54	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	6	201	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	1	32	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	3	1126	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	14	195	0	0
590030	9	165	0	0	0	0	146	1274	0	0
610080	1	83	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	5	77	0	0	0	0	0	0	0	0
690090	5	17	0	0	0	0	0	0	0	0
700020	21	1057	0	0	0	0	0	0	0	0
700080	12	394	0	0	0	0	0	0	0	0
8460110080	3	239	0	0	0	0	0	0	0	0
190010	13	262	0	0	33	455	0	0	0	0
190050	3	472	0	0	0	0	0	0	0	0
210080	32	5333	0	0	0	0	0	0	0	0
290010	3	196	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	8	1313	0	0	0	0	0	0	0	0
310080	1	159	0	0	0	0	0	0	0	0
390050	9	212	0	0	0	0	0	0	0	0
400060	2	74	0	0	0	0	0	0	0	0
400080	5	477	0	0	0	0	0	0	8	257
900060	2	140	0	0	0	0	0	0	0	0
900080	26	285	2	27	0	0	0	0	1	7
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	1	83	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	1	4	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	1	153	0	0	0	0	0	0	0	0
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	0	0	0	0	0	0	0	0
405050	40	120	0	0	0	0	0	0	0	0
405070	1	195	0	0	0	0	0	0	0	0
500050	5	133	0	0	0	0	0	0	0	0
500090	23	737	0	0	0	0	8	62	1	8
9000000001	1	10	0	0	0	0	0	0	4	157
9800000001	78	511	0	0	0	0	8	270	0	0
9900000001	3157	648	856	187	8	1	0	0	184	133
Month Tot	3993	68437	891	1891	66	1002	204	2041	201	574
Y-T-D Tot	14267	221518	1125	5782	279	5695	557	5832	365	3405
NC YTD Tot	1846	190488	40	3060	60	3292	19	531	6	1445

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - March 90

	Switzerland		Taiwan		U.K.		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301010	45	1700	2	15	0	0	0	0	1	68
301050	7	115	1	39	1	22	1	214	0	0
301070	1	108	10	86	0	0	0	0	5	77
8457100015	0	0	8	705	52	2717	3	271	17	733
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	4	498	0	0	7	1578	0	0
100045	2	250	0	0	4	181	12	1397	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	3	381	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	1	129	0	0	0	0
110030	0	0	18	997	2	87	0	0	35	491
110050	0	0	0	0	0	0	0	0	1	454
110090	0	0	0	0	1	104	0	0	0	0
190030	0	0	79	567	31	338	0	0	145	1251
190050	4	462	2	11	0	0	0	0	0	0
190070	2	520	19	123	0	0	2	1088	0	0
190090	2	46	0	0	17	182	0	0	43	185
911060	4	193	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	3	7	0	0	0	0	0	0	0	0
995090	0	0	0	0	20	244	0	0	24	115
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	1	170	0	0	0	0
290040	5	264	0	0	0	0	0	0	0	0
290050	0	0	3	18	0	0	0	0	9	68
290070	0	0	4	31	0	0	0	0	0	0
290090	0	0	0	0	0	0	1	36	.16	69
310010	0	0	2	297	0	0	0	0	0	0
310040	0	0	1	1	0	0	0	0	4	157
310070	0	0	0	0	0	0	0	0	2	110
390040	0	0	1	19	0	0	0	0	0	0
390050	0	0	12	53	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	1	11	0	0	1	34	0	0	0	0
510080	0	0	5	41	12	391	0	0	1	14
590030	0	0	184	965	0	0	1	77	27	121
610080	0	0	7	135	2	326	0	0	10	60
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	3	78	0	0	0	0	0	0
690090	0	0	36	164	0	0	6	202	13	37
700020	0	0	0	0	0	0	0	0	0	0
700080	1	6	0	0	2	49	11	200	0	0
8460110080	0	0	3	72	0	0	2	457	0	0
190010	0	0	7	32	0	0	33	122	0	0
190050	2	13	131	993	16	233	12	147	1	10
210080	3	371	0	0	0	0	6	641	1	140
290010	9	1132	5	101	1	19	2	286	5	60
290030	2	204	0	0	2	39	3	130	2	24
290050	1	49	24	85	6	131	8	227	3	26
310080	3	17	0	0	2	432	2	33	2	5
390050	12	157	0	0	28	184	6	72	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	8	92	5	149	4	29
900060	0	0	0	0	0	0	1	82	0	0
900080	13	334	22	159	12	46	32	802	35	278
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	1	58	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	2	15	1	107	0	0
401040	0	0	0	0	0	0	4	1013	0	0
401060	0	0	0	0	14	35	4	10	0	0
405050	1	467	0	0	0	0	0	0	0	0
405070	0	0	0	0	0	0	3	1487	2	80
500050	0	0	0	0	0	0	1	15	0	0
500090	1	18	10	116	0	0	9	1775	14	90
9000000001	1	157	0	0	0	0	7	351	5	25
9800000001	52	129	7	154	31	585	4	47	11	59
9900000001	53	57	47753	4057	265	141	523	236	5156	637
Month Tot	233	7168	48363	10612	534	6927	713	13308	5594	5475
Y-T-D Tot	497	17388	160164	31902	1686	26661	2263	59029	22879	15313
NC YTD Tot	91	5522	236	7504	213	16945	207	28704	129	4634

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
March 90

RELEASED: May 30, 1990

Metal Forming Machine Tools		TOTAL YTD UNITS	TOTAL YTD $000	TOTAL MO. UNITS	TOTAL MO. $000
8454300010	Die casting machines	109	5811	24	3857
8462100030	Headers and upsetters, including cold headers	36	3995	6	724
100050	Forging or die stamping machines, and hammers, n.e.c.	271	15926	98	4836
210080	Bending, folding, straight. or flat. mach., incl presses, NC	146	6793	54	2197
290030	Press brakes, non-NC	61	1598	21	525
290040	Bending rolls, non-NC	29	913	6	81
290050	Bending, folding, straight., or flat., n.e.c., non-NC	313	10429	110	4564
310080	Shearing machines, NC	15	1141	4	660
390050	Shearing machines, non-NC	137	4161	48	1280
410080	Punching or notching mach., incl. comb. punch & shear, NC	95	11238	33	4970
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	188	3070	118	1609
910060	Hydraulic presses, NC	4	824	3	681
910090	Hydraulic presses, non-NC	545	3363	26	1116
990030	Presses, n.e.c., NC	36	3269	2	149
990035	Mechanical transfer presses, non-NC	0	0	0	0
990045	Mechanical presses, n.e.c., non-NC	31	833	15	102
990060	Presses, n.e.c., non-NC	191	6553	54	2319
8463100080	Draw benches for bars, tubes, profiles, wire or the like	10	459	3	12
200080	Thread rolling machines	31	1454	4	79
300080	Machines for working wire	467	20091	137	5621
900080	Metal forming machine tools, n.e.c.	136	4786	37	1285
9800000002	Used or rebuilt machine tools	194	4556	59	1404
9900000002	Machine tools valued at less than $2,500	3297	1476	1192	429
	Forming Total			2054	38497
	Y-T-D Forming Total	6342	112739		
	NC Y-T-D Forming Total	296	23265		
	Cutting and Forming Totals:				
	Monthly Total			68854	168324
	Y-T-D Total	222996	538469		
	NC Y-T-D Total	3218	293853		

Other Manufacturing Technology		TOTAL YTD		TOTAL MO.	
1000000000	Machine tool parts and accessories	0	147266	0	46541
2000000000	Parts for working rubber or plastics - heading 8477	0	80862	0	24535
2710003070	Quenching or cutting oils	0	54	0	16
8428900010	Industrial robots for lifting, handling, loading or unload	937	12351	104	5555
8431390080	Parts industrial robots, handling and loading - heading 8428	0	23615	0	8367
8456101010	Laser, light or photon beam for working metal, NC	48	9067	18	2838
101020	Laser, light or photon beam for working metal, non-NC	30	432	5	223
105000	Laser, light or photon beam for other materials	40	331	20	176
201010	Ultrasonic processes for working metal, NC	0	0	0	0
201050	Ultrasonic processes for working metal, non-NC	2	22	0	0
205000	Ultrasonic processes for working other materials	4	184	3	146
8477103000	Injection molding mach., for manufacturing shoes	19	937	1	28
106010	Injection molding mach., for rubber or oth. thermosetting	216	18229	75	6701
106050	Injection molding mach., for thermoplastics	688	59750	220	16926
200010	Extruders for rubber or other thermosetting materials	48	3569	12	273
200050	Extruders for processing thermoplastics	240	16018	90	4011
300000	Blow molding machines	130	9534	22	1323
400000	Vacuum-molding and other thermoforming machines	25	1227	5	79
510010	Machines for molding or retreading pneumatic tires	188	13759	107	5226
510090	Machines for molding or otherwise forming inner tubes	71	4487	39	2981
590000	Machines for molding or otherwise forming n.e.c.	203	24861	63	3117
800000	Machines for working rubber or plastics n.e.c.	1461	33851	229	8348
8479899040	Industrial robots, n.e.c.	3886	20389	350	8662
908040	Industrial robot parts	0	8226	0	2879
8537100030	Numerical controls for controlling machine tools	4585	10728	1713	3677
9024100000	Machines and appliances for testing metals	0	2666	0	549
9031100000	Machines for balancing mechanical parts	0	1646	0	391
300000	Profile projectors	0	1426	0	500
9032810020	Industrial process control instr., hydraulic	34377	366	16383	188
810060	Industrial process control instr., pneumatic	43788	1036	8961	318

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
March 90

Metal Forming

	Belgium		Brazil		Canada		France		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	10	377	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	3	441
100050	0	0	0	0	1	156	42	38	6	18
210080	0	0	0	0	3	27	0	0	2	14
290030	2	81	0	0	15	412	0	0	0	0
290040	0	0	0	0	5	34	0	0	0	0
290050	0	0	0	0	53	1496	0	0	2	29
310080	1	36	0	0	0	0	0	0	0	0
390050	17	403	0	0	5	173	1	15	2	14
410080	0	0	0	0	0	0	0	0	0	0
490050	0	0	0	0	5	128	0	0	4	62
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	6	186	2	2	2	2
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	26	1294	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	2	8
200080	0	0	0	0	0	0	0	0	0	0
300080	6	212	0	0	4	202	0	0	23	1672
900080	0	0	0	0	4	164	0	0	0	0
9800000002	10	228	0	0	7	25	0	0	0	0
9900000002	0	0	0	0	2	2	13	24	10	11
Month Tot	36	960	0	0	146	4676	58	78	56	2272
Y-T-D Tot	131	5570	0	0	484	14457	127	368	337	11208
NC YTD Tot	11	1735	0	0	6	244	2	20	34	497
C&F Month	44	1316	349	2056	327	6555	319	2809	5265	7643
C&F Y-T-D	146	6110	583	4055	950	20438	630	6403	11342	27804
C&F NC YTD	12	1839	1	435	17	1661	36	3148	62	3878

Other Manufacturing Technology

1000000000	0	471	0	8	0	4901	0	897	0	1681
2000000000	0	198	0	0	0	5921	0	893	0	785
2710003070	0	0	0	0	0	0	0	0	0	0
8428900010	0	0	0	0	17	1772	1	49	2	1361
8431390080	0	0	0	34	0	1530	0	57	0	35
8456101010	0	0	0	0	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	4	152	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	1	8	0	0
8477103000	0	0	0	0	0	0	0	0	0	0
106010	0	0	0	0	3	580	5	531	1	125
106050	0	0	0	0	38	3894	0	0	16	2131
200010	0	0	0	0	7	75	0	0	0	0
200050	0	0	0	0	9	108	1	70	9	867
300000	0	0	0	0	0	0	1	52	0	0
400000	0	0	0	0	2	61	0	0	0	0
510010	0	0	0	0	16	1370	23	64	6	336
510090	0	0	0	0	0	0	2	16	12	9
590000	0	0	0	0	3	96	1	134	15	115
800000	12	52	0	0	21	683	7	199	2	132
8479899040	8	99	0	0	7	99	0	0	1	13
908040	0	72	0	0	0	38	0	11	0	62
8537100030	0	0	0	0	0	0	0	0	48	35
9024100000	0	0	0	0	0	2	0	0	0	0
9031100000	0	0	0	0	0	8	0	0	0	22
300000	0	0	0	0	0	7	0	0	0	7
9032810020	0	0	0	0	6	40	0	0	0	0
810060	0	0	0	0	0	0	0	0	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
March 90

Metal Forming

	Japan		Korea		Singapore		Spain		Sweden	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	10	2903	0	0	0	0	0	0	0	0
8462100030	3	283	0	0	0	0	0	0	0	0
100050	21	1922	1	32	5	9	0	0	2	2
210080	34	1506	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	10	638	0	0	0	0	0	0	13	224
310080	3	624	0	0	0	0	0	0	0	0
390050	8	320	1	30	0	0	0	0	4	54
410080	19	2707	0	0	0	0	0	0	0	0
490050	2	50	0	0	0	0	33	339	2	25
910060	0	0	0	0	0	0	0	0	1	243
910090	9	853	0	0	0	0	1	14	0	0
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	2	9	0	0	0	0	0	0	0	0
990060	5	541	0	0	0	0	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	2	45	0	0	0	0	1	15	0	0
300080	77	2474	0	0	0	0	0	0	0	0
900080	20	243	0	0	0	0	3	14	1	201
9800000002	9	858	0	0	0	0	0	0	1	8
9900000002	174	139	0	0	0	0	34	22	1	2
Month Tot	408	16116	2	63	5	9	72	404	25	758
Y-T-D Tot	1084	45039	5	64	5	9	130	901	295	2466
NC YTD Tot	152	12664	0	0	0	0	0	0	3	439
C&F Month	4401	84554	893	1954	71	1011	276	2445	226	1332
C&F Y-T-D	15351	266557	1130	5846	284	5704	687	6732	660	5871
C&F NC YTD	1998	203153	40	3060	60	3292	19	531	9	1884

Other Manufacturing Technology

1000000000	0	15008	0	112	0	380	0	206	0	1223
2000000000	0	2849	0	0	0	51	0	22	0	174
2710003070	0	16	0	0	0	0	0	0	0	0
8428900010	38	549	0	0	0	0	0	0	15	670
8431390080	0	684	0	0	0	0	0	3	0	95
8456101010	16	2710	0	0	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	0	0	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	2	138	0	0	0	0	0	0	0	0
8477103000	0	0	0	0	0	0	0	0	0	0
106010	49	4250	0	0	0	0	0	0	0	0
106050	45	5586	4	78	0	0	0	0	0	0
200010	0	0	1	8	0	0	0	0	0	0
200050	1	6	0	0	0	0	0	0	15	889
300000	5	839	0	0	0	0	0	0	0	0
400000	0	0	0	0	0	0	0	0	0	0
510010	56	2528	0	0	0	0	0	0	0	0
510090	6	334	3	19	0	0	0	0	0	0
590000	27	2201	0	0	0	0	0	0	0	0
800000	47	3501	0	0	1	380	0	0	1	3
8479899040	237	6150	0	0	0	0	4	166	16	780
908040	0	1173	0	0	0	0	0	0	0	85
8537100030	1651	3582	0	0	0	0	0	0	0	0
9024100000	0	222	0	0	0	0	0	0	0	0
9031100000	0	33	0	0	0	0	0	0	0	0
300000	0	192	0	0	0	0	0	0	0	0
9032810020	0	0	0	0	0	0	0	0	0	0
810060	20	5	0	0	0	0	0	0	1033	206

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine tool totals and Other Manufacturing Technology
March 90

Metal Forming

	Switzerland		Taiwan		U.K.		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	2	355	0	0	1	81	1	141	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	4	2413	0	0	10	49	3	37	3	160
210080	0	0	0	0	3	33	10	558	2	59
290030	0	0	4	32	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	1	47
290050	2	150	8	26	6	503	4	1276	12	222
310080	0	0	0	0	0	0	0	0	0	0
390050	1	181	1	4	4	31	0	0	4	55
410080	1	272	0	0	1	83	8	957	4	950
490050	0	0	0	0	57	720	8	71	7	214
910060	0	0	0	0	0	0	2	438	0	0
910090	0	0	3	36	0	0	3	24	0	0
990030	2	149	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	10	45	0	0	1	7	2	41	0	0
990060	0	0	9	205	8	24	2	162	4	94
8463100080	0	0	0	0	0	0	1	4	0	0
200080	0	0	0	0	0	0	0	0	1	19
300080	1	4	7	93	2	26	16	934	1	4
900080	3	470	1	7	0	0	4	182	1	5
9800000002	0	0	4	3	23	147	4	116	1	18
9900000002	11	26	614	140	2	1	145	15	186	44
Month Tot	37	4066	651	545	118	1704	213	4956	227	1891
Y-T-D Tot	234	6950	1716	2453	285	3948	645	14942	864	4365
NC YTD Tot	8	1044	3	82	4	115	58	4928	15	1496
C&F Month	270	11234	49014	11158	652	8631	926	18264	5821	7365
C&F Y-T-D	731	24338	161880	34355	1971	30608	2908	73971	23743	19678
C&F NC YTD	99	6566	239	7585	217	17061	265	33631	144	6130

Other Manufacturing Technology

1000000000	0	3361	0	1249	0	4074	0	10286	0	2685
2000000000	0	535	0	473	0	1278	0	8636	0	2720
2710003070	0	0	0	0	0	0	0	0	0	0
8428900010	1	88	0	0	26	612	2	309	2	147
8431390080	0	1548	0	97	0	617	0	1975	0	1693
8456101010	0	0	0	0	1	64	0	0	1	63
101020	0	0	0	0	0	0	5	223	0	0
105000	0	0	0	0	15	4	1	20	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	0	0	1	28	0	0	0	0	0	0
106010	4	678	11	357	0	0	1	163	1	16
106050	1	2	14	770	1	13	62	1789	39	2662
200010	2	145	0	0	0	0	1	5	1	40
200050	2	40	2	21	2	5	49	2005	0	0
300000	0	0	2	8	0	0	14	424	0	0
400000	0	0	1	15	0	0	2	2	0	0
510010	0	0	0	0	0	0	2	147	4	779
510090	0	0	2	4	3	102	10	1773	1	725
590000	0	0	0	0	2	34	5	414	10	122
800000	18	160	2	70	6	204	49	2284	63	679
8479899040	0	0	0	0	0	0	15	1127	62	227
908040	0	52	0	0	0	130	0	1139	0	117
8537100030	0	0	0	0	8	32	4	7	2	20
9024100000	0	5	0	0	0	181	0	17	0	122
9031100000	0	12	0	0	0	0	0	90	0	226
300000	0	0	0	0	0	241	0	54	0	0
9032810020	77	3	0	0	2600	16	0	0	13700	129
810060	0	0	7470	25	0	0	11	5	427	77

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
March 90

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Austria	139	1142	0	0	139	1142
Bulgaria	0	0	0	0	0	0
Czechoslovakia	8	65	0	0	8	65
Denmark	27	103	12	253	39	356
East Germany	141	175	150	4	291	180
Finland	0	0	4	950	4	950
Hungary	0	0	0	0	0	0
Ireland	1	21	0	0	1	21
Luxembourg	0	0	0	0	0	0
Netherlands	3	270	2	174	5	444
Norway	0	0	0	0	0	0
Poland	7	112	0	0	7	112
Portugal	33	122	5	109	38	231
Romania	0	0	0	0	0	0
USSR	1	19	0	0	1	19
Yugoslavia	120	1164	1	147	121	1311
Oth Europe	18	628	0	0	18	628
TOTAL	7861	42295	789	16835	8650	59130
NORTH AND CENTRAL AMERICA						
Barbados	0	0	0	0	0	0
Dominican Rep	0	0	1	5	1	5
Mexico	1	2	21	57	22	59
Oth N & C Am.	0	0	0	0	0	0
TOTAL	182	1880	168	4738	350	6618
SOUTH AMERICA						
Argentina	4	29	0	0	4	29
Chile	0	0	0	0	0	0
Colombia	0	0	0	0	0	0
Paraguay	0	0	0	0	0	0
Peru	1	2	0	0	1	2
Uruguay	0	0	0	0	0	0
Venezuela	0	0	0	0	0	0
Oth South Am.	0	0	0	0	0	0
TOTAL	354	2087	0	0	354	2087
OCEANIA						
Australia	3	47	0	0	3	47
New Zealand	0	0	16	3	16	3
Oth Oceania	0	0	0	0	0	0
TOTAL	3	47	16	3	19	49

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
March 90

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
China	5034	1128	5	70	5039	1197
Hong Kong	1	9	0	0	1	9
India	26	286	1	18	27	304
Indonesia	0	0	0	0	0	0
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	20	34	3	49	23	83
Malaysia	0	0	0	0	0	0
Pakistan	0	0	0	0	0	0
Philippines	0	0	0	0	0	0
Thailand	0	0	0	0	0	0
Oth Asia	1	68	0	0	1	68
TOTAL	58395	83468	1075	16869	59470	100338
AFRICA						
Ghana	4	8	0	0	4	8
Kenya	0	0	0	0	0	0
Niger	0	0	0	0	0	0
South Africa	1	42	6	52	7	94
Swaziland	0	0	0	0	0	0
Oth Africa	0	0	0	0	0	0
TOTAL	5	50	6	52	11	103

Note: Region totals include top countries detailed by product as well as countries listed above.

Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* Includes code 8456301030, Traveling wire electro-discharge machines, non-NC.

U.S. EXPORTS
Metal Cutting Machine Tools - January 90 - March 90

RELEASED: May 30, 1990

		TOTAL UNITS	YTD $000
8456300000	Electro-discharge machines	27	1962
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm(26")	23	4437
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm(26")	7	1620
100035	Horiz. mach. ctrs., ATC	11	3692
100045	Mach. ctrs., n.e.c.	108	12382
200010	Unit construction mach. (single station transfer), NC	0	0
200090	Unit construction mach. (single station transfer), non-NC	4	1772
300010	Multi-station transfer machines, NC	6	9872
300090	Multi-station transfer machines, non-NC	22	4138
8458110010	Horiz. lathes, multiple spindle, NC	7	1111
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	88	6392
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	9	1745
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	9	3326
190030	Horiz. engine or toolroom lathes, non-NC	30	575
190050	Automatic bar and/or chucking mach., single spindle, non-NC	1	104
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	25	1098
190090	Horiz. lathes, n.e.c., non-NC	102	1389
911060	Vertical turret lathes, multiple spindle, NC	0	0
911080	Vertical turret lathes, n.e.c., NC	2	316
915050	Vertical lathes, excl. VTL's, mult. spindle, NC	11	501
915070	Vertical lathes, excl. VTL's, n.e.c., NC	8	1298
991050	Vertical turret lathes, non-NC	5	77
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	19	1199
8459100000	Way-type unit head machines	14	1957
210080	Other drilling machines, NC	37	3693
290040	Drilling machines, multiple spindle, non-NC	9	409
290050	Drilling machines, radial, non-NC	12	85
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	25	464
290090	Drilling machines, n.e.c., non-NC	174	1058
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	3	1569
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	1	83
310070	Boring-milling mach., n.e.c., NC	3	131
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	0	0
400040	Boring machines, vertical, NC	1	689
400050	Boring machines, vertical, non-NC	15	223
400070	Boring machines, n.e.c., NC	6	766
400080	Boring machines, n.e.c., non-NC	5	425
510080	Milling machines, knee type, NC	4	222
590030	Milling machines, knee type, non-NC	27	787
610080	Milling machines, excl. knee type, n.e.c., NC	20	6598
690050	Milling machines, profile, dup., or die sinking, non-NC	19	338
690070	Milling machines, bed type, non-NC	0	0
690090	Milling machines, n.e.c., non-NC	82	4154
700020	Threading or tapping machines, n.e.c., NC	9	523
700080	Threading or tapping machines, n.e.c., non-NC	90	1120
8460110080	Flat surface grinding mach., NC	13	526
190010	Flat surface grinding mach., recip.-table type, non-NC	21	399
190050	Flat surface grinding mach., n.e.c., non-NC	13	2007
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	27	9027
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	11	1870
290030	Grinding mach., internal cylindrical, non-NC	14	1437
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	122	5335
310080	Sharpening machines (tool & cutter grinding), NC	8	218
390050	Sharpening machines (tool & cutter grinding), non-NC	227	6714
400060	Honing or lapping machines, NC	0	0
400080	Honing or lapping machines, non-NC	216	5832
900060	Grinding, honing, polisning, & lapping mach., n.e.c., NC	4	693
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	282	4215
8461100060	Planing machines, NC	1	111
100080	Planing machines, non-NC	101	2772
200010	Shaping or slotting machines, NC	2	73
200090	Shaping or slotting machines, non-NC	16	483
300060	Broaching machines, NC	10	1139
300080	Broaching machines, non-NC	10	596
401050	Gear hobbers	8	838
401070	Gear shapers	16	2944
401090	Gear cutting machines, n.e.c.	23	6867
405060	Gear grinding or finishing machines	30	2113
500050	Sawing or cutting-off machines, NC	49	1551
500090	Sawing or cutting-off machines, non-NC	414	6160
9000000001	Metal cutting machine tools, n.e.c.	261	7418
9800000001	Used or rebuilt machine tools	1108	12732
9900000001	Machine tools valued at less than $2,500	8393	4850
	Y-T-D Cutting Total	12480	173221
	NC Y-T-D Cutting Total*	552	77982

Please see notes on last page of the metal forming section.

U.S. EXPORTS

Metal Cutting Machine Tools - January 90 - March 90

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	7	580
8457100015	0	0	0	0	4	481	0	0	13	2741
100025	0	0	0	0	0	0	0	0	6	1500
100035	0	0	0	0	5	1105	0	0	0	0
100045	0	0	0	0	27	3677	1	297	19	1866
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	2	1860
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	5	910
110030	1	85	0	0	13	1011	0	0	10	795
110050	0	0	0	0	0	0	0	0	5	859
110090	0	0	0	0	0	0	0	0	9	3326
190030	0	0	0	0	0	0	0	0	2	128
190050	0	0	0	0	0	0	0	0	1	104
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	26	494
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	1	13
995090	2	61	0	0	0	0	0	0	5	153
8459100000	0	0	0	0	1	181	2	151	0	0
210080	1	33	0	0	0	0	1	35	12	1757
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	11	80
290070	0	0	0	0	0	0	0	0	19	205
290090	0	0	0	0	0	0	13	59	127	651
310010	0	0	0	0	0	0	2	759	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	1	29
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	1	689
400050	7	119	0	0	0	0	0	0	3	37
400070	0	0	0	0	0	0	0	0	6	766
400080	0	0	0	0	0	0	0	0	2	307
510080	1	55	0	0	0	0	0	0	1	82
590030	3	91	0	0	0	0	0	0	13	349
610080	1	1376	0	0	0	0	0	0	2	468
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	3	776	10	189
700020	1	17	1	23	0	0	0	0	0	0
700080	2	62	0	0	4	335	0	0	26	268
8460110080	0	0	0	0	0	0	1	18	2	143
190010	0	0	0	0	0	0	0	0	3	133
190050	0	0	0	0	0	0	0	0	4	1013
210080	0	0	0	0	0	0	0	0	9	4271
290010	0	0	0	0	0	0	0	0	1	25
290030	0	0	0	0	0	0	0	0	1	20
290050	0	0	0	0	0	0	19	758	17	544
310080	2	57	0	0	0	0	0	0	0	0
390050	1	46	0	0	1	9	4	29	62	5049
400060	0	0	0	0	0	0	0	0	0	0
400080	4	60	0	0	1	8	1	6	9	222
900060	0	0	0	0	0	0	0	0	1	413
900080	11	122	1	8	0	0	1	180	61	802
8461100060	0	0	0	0	0	0	0	0	1	111
100080	1	17	1	40	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	1	48
200090	0	0	0	0	0	0	0	0	3	50
300060	0	0	0	0	0	0	0	0	2	712
300080	3	50	0	0	0	0	0	0	5	243
401050	0	0	0	0	0	0	0	0	1	63
401070	0	0	0	0	0	0	4	1778	10	916
401090	2	1153	0	0	0	0	1	687	1	487
405060	0	0	0	0	0	0	0	0	2	263
500050	0	0	0	0	0	0	0	0	39	1290
500090	35	327	0	0	0	0	5	95	80	1023
9000000001	0	0	0	0	0	0	5	19	72	516
9800000001	39	732	0	0	0	0	121	432	134	1965
9900000001	505	156	42	28	117	145	30	19	635	681
Y-T-D Tot	622	4618	45	100	173	6951	214	6099	1501	42209
NC YTD Tot*	7	1622	1	23	49	6273	5	1110	151	24721

Please see notes on last page of the metal forming section.

U.S. EXPORTS

Metal Cutting Machine Tools - January 90 - March 90

	China		France		India		Indonesia		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	1	35
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	1	617	0	0	0	0	0	0	0	0
100045	6	2518	1	202	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	1	89	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	2	200
8458110010	0	0	0	0	0	0	0	0	0	0
110030	1	102	9	607	0	0	0	0	0	0
110050	0	0	2	388	2	498	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	2	31	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	10	213
190090	0	0	0	0	0	0	0	0	1	7
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	2	867	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	1	48	0	0	0	0	1	39
290040	0	0	0	0	4	169	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	1	4	0	0	0	0	3	77
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	1	18	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	1	25	0	0	1	19
610080	1	1315	1	125	1	716	0	0	0	0
690050	0	0	0	0	1	6	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	1	13	0	0	0	0	0	0	1	316
700020	0	0	0	0	1	341	0	0	0	0
700080	0	0	1	15	4	17	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	3	31	0	0	0	0
190050	0	0	0	0	0	0	1	71	6	808
210080	0	0	3	584	1	359	0	0	0	0
290010	5	830	0	0	0	0	0	0	0	0
290030	2	73	0	0	5	1186	0	0	0	0
290050	2	342	0	0	14	501	0	0	4	413
310080	0	0	1	32	0	0	0	0	0	0
390050	1	28	1	44	2	62	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	3	27	2	174	0	0	12	145
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	6	55	4	31	0	0	24	238
8461100060	0	0	0	0	0	0	0	0	0	0
100080	1	16	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	1	16	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	1	228	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	1	547	0	0	3	1244
405060	0	0	0	0	0	0	0	0	1	920
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	7	129	4	1362	1	9	15	234
9000000001	0	0	21	499	2	27	0	0	2	26
9800000001	21	297	9	159	10	279	0	0	6	60
9900000001	8	5	359	149	63	48	49	10	564	181
Y-T-D Tot	60	6155	430	3414	129	7278	51	91	657	5173
NC YTD Tot*	19	4551	39	2485	9	2807	0	0	1	39

Please see notes on last page of the metal forming section.

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	Japan		Korea		Malaysia		Mexico		Netherlands	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	10	647	0	0	0	0	3	146	0	0
8457100015	0	0	1	164	0	0	0	0	0	0
100025	0	0	1	120	0	0	0	0	0	0
100035	0	0	1	270	0	0	0	0	0	0
100045	0	0	25	1946	0	0	14	914	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	2	283	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	18	2178	0	0
8458110010	0	0	1	90	0	0	1	111	0	0
110030	10	831	2	135	0	0	2	144	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	7	148	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	10	241	1	340	0	0	0	0	0	0
190090	11	130	4	22	0	0	42	627	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	2	316	0	0
915050	0	0	0	0	0	0	11	501	0	0
915070	1	25	0	0	0	0	5	407	0	0
991050	0	0	0	0	0	0	1	18	0	0
995090	0	0	0	0	0	0	4	99	0	0
8459100000	0	0	4	345	0	0	2	266	0	0
210080	0	0	1	54	0	0	1	55	0	0
290040	0	0	5	240	0	0	0	0	0	0
290050	0	0	0	0	0	0	1	5	0	0
290070	0	0	0	0	0	0	2	10	0	0
290090	0	0	17	139	0	0	8	46	1	6
310010	0	0	1	809	0	0	0	0	0	0
310040	0	0	0	0	0	0	1	83	0	0
310070	0	0	1	70	0	0	1	32	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	4	49	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	3	118	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	2	67	1	26	0	0
610080	0	0	2	2434	0	0	1	40	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	1	19	2	368	0	0	61	2202	0	0
700020	0	0	1	23	0	0	0	0	0	0
700080	0	0	0	0	0	0	16	45	0	0
8460110080	3	139	0	0	0	0	7	226	0	0
190010	0	0	0	0	0	0	7	113	0	0
190050	0	0	1	58	0	0	0	0	0	0
210080	2	659	0	0	0	0	2	404	0	0
290010	0	0	2	825	0	0	0	0	0	0
290030	0	0	0	0	0	0	2	38	0	0
290050	1	84	0	0	0	0	23	756	6	208
310080	0	0	0	0	0	0	0	0	0	0
390050	30	200	2	396	15	80	1	9	5	33
400060	0	0	0	0	0	0	0	0	0	0
400080	6	80	55	597	0	0	3	31	4	61
900060	0	0	0	0	0	0	1	44	0	0
900080	22	229	19	232	1	4	35	587	2	17
8461100060	0	0	0	0	0	0	0	0	0	0
100080	2	870	31	574	23	200	31	190	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	1	168	0	0	2	78	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	1	75	0	0
401050	4	213	2	115	0	0	0	0	0	0
401070	0	0	0	0	0	0	1	212	0	0
401090	4	689	2	189	0	0	4	362	0	0
405060	0	0	13	474	0	0	1	49	0	0
500050	0	0	0	0	0	0	7	101	1	16
500090	47	491	26	336	0	0	31	341	67	352
9000000001	23	2178	12	727	0	0	28	1061	2	59
9800000001	17	73	27	2790	0	0	392	2213	46	225
9900000001	866	301	221	158	20	22	1708	742	60	24
Y-T-D Tot	1070	8097	486	15490	61	373	2499	16219	194	1000
NC YTD Tot*	35	3764	37	6116	0	0	56	3380	2	66

Please see notes on last page of the metal forming section.

U.S. EXPORTS

Metal Cutting Machine Tools - January 90 - March 90

	Singapore		Spain		Switzerland		Taiwan		Thailand	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	1	130	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	5	342	1	91
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	1	55	0	0
190090	0	0	0	0	0	0	1	7	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	1	18
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	2	663	0	0	0	0	0	0
210080	1	38	0	0	0	0	7	468	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	1	68	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	1	34	0	0	0	0	0	0	0	0
610080	0	0	0	0	1	125	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	2	25
190050	0	0	0	0	0	0	1	58	0	0
210080	0	0	0	0	1	294	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	1	7	3	222	0	0	22	734	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	15	100	2	7	0	0	3	56	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	12	165	7	81	1	18
900060	0	0	0	0	0	0	0	0	0	0
900080	3	23	10	113	12	119	12	91	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	4	705
200010	0	0	0	0	0	0	0	0	0	0
200090	6	23	0	0	0	0	1	7	1	33
300060	8	427	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	1	575	0	0	0	0
405060	0	0	0	0	8	294	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	0	0	0	0	10	180	0	0
9000000001	1	6	1	268	14	163	26	295	0	0
9800000001	26	748	3	4	49	190	8	100	4	50
9900000001	517	226	49	61	57	35	140	88	16	26
Y-T-D Tot	581	1829	70	1338	155	1960	244	2562	30	966
NC YTD Tot*	9	465	1	268	2	419	12	810	1	91

Please see notes on last page of the metal forming section.

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Metal Cutting Machine Tools - January 90 - March 90

	U.K.		USSR		Venezuela		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	1	100	0	0	0	0	3	148	1	176
8457100015	2	459	0	0	0	0	0	0	3	592
100025	0	0	0	0	0	0	0	0	0	0
100035	2	1139	0	0	0	0	2	562	0	0
100045	3	225	0	0	0	0	3	200	3	104
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	1	1400	0	0
300010	4	8012	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	2	1760	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	34	2206	0	0	0	0	6	478	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	18	258	0	0	0	0	0	0	1	11
190050	0	0	0	0	0	0	0	0	0	0
190070	1	94	0	0	0	0	2	156	0	0
190090	7	50	0	0	1	3	0	0	9	50
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	2	28	0	0	0	0	0	0	0	0
995090	6	90	0	0	1	755	0	0	1	41
8459100000	0	0	0	0	2	208	0	0	1	142
210080	1	59	0	0	0	0	1	72	9	1035
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	3	130	0	0	0	0	0	0	1	118
290090	1	3	0	0	0	0	2	7	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	2	84
590030	1	53	0	0	0	0	0	0	4	124
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	18	332	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	3	271	0	0	0	0	0	0	0	0
700020	1	26	0	0	0	0	0	0	4	93
700080	7	160	0	0	2	6	0	0	28	213
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	1	16	0	0	5	80
190050	0	0	0	0	0	0	0	0	0	0
210080	3	734	0	0	0	0	4	940	2	783
290010	3	189	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	4	120	0	0
290050	5	195	0	0	0	0	4	397	1	174
310080	0	0	0	0	0	0	0	0	5	129
390050	32	209	0	0	0	0	23	147	27	212
400060	0	0	0	0	0	0	0	0	0	0
400080	3	117	14	3208	0	0	33	378	46	456
900060	0	0	0	0	0	0	0	0	2	236
900080	9	477	0	0	10	117	23	524	16	246
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	1	50	2	22	4	88
200010	0	0	0	0	0	0	1	25	0	0
200090	0	0	0	0	0	0	0	0	1	108
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	1	448	0	0
401070	0	0	0	0	0	0	0	0	1	38
401090	0	0	0	0	1	68	3	866	0	0
405060	3	34	0	0	0	0	1	70	1	9
500050	2	144	0	0	0	0	0	0	0	0
500090	33	448	0	0	0	0	12	229	41	604
9000000001	37	1419	0	0	2	21	1	10	12	124
9800000001	24	243	0	0	3	34	94	1235	75	904
9900000001	590	326	0	0	268	96	406	148	1103	1175
Y-T-D Tot	841	17896	14	3208	292	1373	652	10672	1409	8150
NC YTD Tot*	68	13630	0	0	0	0	17	2277	31	3066

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
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RELEASED: May 30, 1990

Metal Forming Machine Tools		TOTAL YTD UNITS	$000
8454300010	Die casting machines	90	2538
8462100030	Headers and upsetters, including cold headers	14	5471
100050	Forging or die stamping machines, and hammers, n.e.c.	59	5201
210080	Bending, folding, straight. or flat. mach., incl presses, NC	74	6818
290030	Press brakes, non-NC	49	1176
290040	Bending rolls, non-NC	17	475
290050	Bending, folding, straight., or flat., n.e.c., non-NC	250	6272
310080	Shearing machines, NC	22	2184
390050	Shearing machines, non-NC	101	2392
410080	Punching or notching mach., incl. comb. punch & shear, NC	55	9769
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	205	5455
910060	Hydraulic presses, NC	14	1271
910090	Hydraulic presses, non-NC	170	8663
990030	Presses, n.e.c., NC	26	1991
990040	Presses, mechanical, non-NC	40	4146
990060	Presses, n.e.c., non-NC	412	12796
8463100080	Draw benches for bars, tubes, profiles, wire or the like	48	1067
200080	Thread rolling machines	12	388
300080	Machines for working wire	136	6472
900080	Metal forming machine tools, n.e.c.	555	14179
9800000002	Used or rebuilt machine tools	840	15203
9900000002	Machine tools valued at less than $2,500	2948	2353
	Y-T-D Forming Total	6137	116282
	NC Y-T-D Forming Total	191	22033
	Cutting and Forming Totals:		
	Y-T-D Total	18617	289503
	NC Y-T-D Total*	743	100015

Other Manufacturing Technology		TOTAL YTD UNITS	$000
1000000000	Machine tool parts and accessories	0	184378
2000000000	Parts for working rubber or plastics - heading 8477	0	73541
2710003070	Quenching or cutting oils	0	1797
8428900010	Industrial robots for lifting, handling, loading or unload	64	1340
8431390090	Parts industrial robots, handling and loading - heading 8428	0	17463
8456100000	Laser, light or photon beam for working any material	163	8960
200000	Ultrasonic process for working any material	22	547
8477106010	Injection molding mach., for rubber or oth. thermosetting	38	3098
106070	Injection molding mach., for thermoplastics	83	9063
200010	Extruders for rubber or other thermosetting materials	95	4073
200050	Extruders for processing thermoplastics	218	8482
300000	Blow molding machines	124	8081
400000	Vacuum-molding and other thermoforming machines	4051	5178
510010	Machines for molding or retreading pneumatic tires	202	5190
510090	Machines for molding or otherwise forming inner tubes	110	7836
590000	Machines for molding or otherwise forming n.e.c.	324	4626
800000	Machines for working rubber or plastics n.e.c.	1079	26770
8479899040	Industrial robots, n.e.c.	1930	19964
908040	Industrial robot parts	0	11741
8537100030	Numerical controls for controlling machine tools	580	8203
9024100000	Machines and appliances for testing metals	0	17959
9031100000	Machines for balancing mechanical parts	0	9507
300000	Profile projectors	0	1988
9032810040	Industrial process control instr., hydraulic or pneumatic	166692	10157

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "NC Y-T-D Total" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

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Metal Forming

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	9	21	7	40	1	5	1	13	3	1099
8462100030	0	0	0	0	0	0	0	0	2	217
100050	1	67	0	0	0	0	1	51	8	1093
210080	2	62	0	0	0	0	1	50	24	2917
290030	0	0	0	0	0	0	0	0	43	916
290040	1	8	0	0	1	29	0	0	6	94
290050	1	5	0	0	0	0	1	4	82	1480
310080	1	65	0	0	0	0	0	0	3	209
390050	1	10	0	0	0	0	0	0	42	919
410080	1	34	0	0	0	0	3	339	10	1388
490050	6	22	1	149	12	99	0	0	54	592
910060	0	0	0	0	0	0	1	14	2	659
910090	4	69	0	0	1	911	0	0	13	691
990030	0	0	0	0	0	0	0	0	5	201
990040	0	0	1	566	0	0	0	0	8	324
990060	10	392	0	0	0	0	16	152	57	990
8463100080	2	11	0	0	0	0	2	48	10	46
200080	0	0	0	0	0	0	0	0	4	80
300080	1	59	0	0	0	0	4	82	15	351
900080	6	142	1	7	0	0	5	134	65	825
9800000002	0	0	0	0	4	171	4	100	170	2961
9900000002	57	34	14	9	51	57	168	78	410	378
Y-T-D Tot	103	1001	24	770	70	1274	207	1063	1036	18432
NC YTD Tot	4	161	0	0	0	0	5	402	44	5373
C&F YTD	725	5620	69	870	243	8225	421	7163	2537	60641
C&F NC YTD*	11	1783	1	23	49	6273	10	1512	195	30094

Other Manufacturing Technology

1000000000	0	2328	0	365	0	1613	0	3346	0	44575
2000000000	0	2339	0	411	0	1584	0	1716	0	20189
2710003070	0	69	0	0	0	0	0	6	0	117
8428900010	1	11	0	0	0	0	0	0	12	603
8431390090	0	614	0	61	0	184	0	28	0	2998
8456100000	1	67	0	0	0	0	0	0	8	696
200000	0	0	0	0	0	0	0	0	1	12
8477106010	0	0	0	0	0	0	0	0	3	215
106070	1	90	2	143	0	0	0	0	17	1841
200010	4	102	0	0	0	0	0	0	51	1913
200050	1	45	0	0	0	0	16	1358	39	1337
300000	11	283	0	0	0	0	7	738	6	1028
400000	1	44	0	0	0	0	14	440	32	1665
510010	0	0	0	0	3	34	3	64	23	2226
510090	2	190	0	0	0	0	0	0	0	0
590000	5	81	2	32	8	133	1	17	32	1297
800000	7	127	1	9	15	230	4	58	312	12163
8479899040	9	48	0	0	4	25	2	76	1392	11774
908040	0	0	0	12	0	28	0	0	0	5161
8537100030	3	40	1	12	0	0	1	18	41	499
9024100000	0	217	0	27	0	129	0	757	0	1771
9031100000	0	16	0	0	0	0	0	253	0	3166
300000	0	0	0	0	0	0	0	89	0	232
9032810040	9531	570	6472	328	4515	226	119	16	5879	302

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8465300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

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Metal Forming

	China		France		India		Indonesia		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	4	66	8	85	6	61	4	17	0	0
8462100030	0	0	1	667	0	0	0	0	1	113
100050	0	0	0	0	1	40	0	0	2	741
210080	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	1	47	0	0	0	0	0	0
290050	2	59	18	288	3	868	1	7	2	12
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	1	11	0	0	0	0	0	0
410080	2	2624	18	2465	0	0	0	0	0	0
490050	4	372	4	39	0	0	0	0	16	293
910060	1	5	0	0	0	0	0	0	0	0
910090	15	502	4	108	0	0	0	0	1	11
990030	0	0	0	0	0	0	0	0	3	589
990040	6	651	1	518	0	0	0	0	0	0
990060	0	0	0	0	1	7	0	0	0	0
8463100080	0	0	5	139	2	83	0	0	0	0
200080	0	0	0	0	2	51	0	0	0	0
300080	3	544	7	99	0	0	0	0	6	159
900080	1	595	8	202	12	241	0	0	3	85
9800000002	0	0	11	254	79	3260	0	0	12	362
9900000002	0	0	66	30	101	62	0	0	20	14
Y-T-D Tot	38	5417	153	4952	207	4674	5	24	66	2378
NC YTD Tot	3	2629	18	2465	0	0	0	0	3	589
C&F YTD	98	11572	583	8366	336	11953	56	115	723	7551
C&F NC YTD*	22	7180	57	4950	9	2807	0	0	4	628

Other Manufacturing Technology

1000000000	0	1122	0	4632	0	1083	0	79	0	4447
2000000000	0	2978	0	971	0	2184	0	116	0	1093
2710003070	0	0	0	0	0	0	0	207	0	0
8428900010	18	178	7	177	0	0	0	0	14	165
8431390090	0	240	0	502	0	154	0	10	0	4
8456100000	8	185	2	662	0	0	0	0	3	73
200000	0	0	1	12	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	3	191
106070	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200050	1	32	1	98	11	269	0	0	11	337
300000	0	0	1	177	0	0	0	0	3	17
400000	0	0	0	0	0	0	0	0	0	0
510010	0	0	1	15	1	24	49	10	4	74
510090	0	0	1	660	0	0	0	0	0	0
590000	0	0	7	114	0	0	0	0	6	103
800000	53	201	2	184	51	786	2	18	8	592
8479899040	0	0	17	142	0	0	0	0	6	236
908040	0	0	0	133	0	0	0	0	0	101
8537100030	0	0	70	922	3	41	0	0	16	214
9024100000	0	1625	0	484	0	87	0	371	0	118
9031100000	0	17	0	4	0	90	0	19	0	51
300000	0	0	0	451	0	0	0	0	0	104
9032810040	2225	129	6603	417	415	41	94	5	8438	506

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8465300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS

Metal Forming Machine Tools, Machine Tool Totals and other Manufacturing Technology

January 90 - March 90

Metal Forming

	Japan		Korea		Malaysia		Mexico		Netherlands	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	1	50	5	512	2	8	7	90	0	0
8462100030	7	3480	1	556	0	0	0	0	0	0
100050	11	927	4	285	0	0	9	454	0	0
210080	3	1092	4	158	2	65	11	1126	2	180
290030	1	4	0	0	0	0	2	126	0	0
290040	0	0	0	0	0	0	4	140	0	0
29005C	12	364	11	281	4	17	22	486	7	314
310080	6	810	2	646	0	0	5	236	5	218
390050	0	0	4	64	0	0	13	328	0	0
410080	0	0	1	95	0	0	6	664	3	533
490050	20	764	1	24	2	11	26	537	2	7
910060	0	0	2	91	0	0	3	85	0	0
910090	1	16	9	3688	0	0	88	1673	3	29
990030	0	0	0	0	0	0	0	0	0	0
990040	2	261	1	45	0	0	1	16	4	252
990060	9	1360	8	1736	0	0	166	2045	7	198
8463100080	0	0	1	102	0	0	3	191	0	0
200080	0	0	0	0	0	0	2	34	1	132
300080	3	20	5	415	2	53	14	318	2	20
900080	36	1038	19	635	9	125	114	1540	6	46
9800000002	15	585	50	2474	0	0	206	1734	0	0
9900000002	189	109	9	6	0	0	964	864	33	34
Y-T-D Tot	316	10880	137	11812	21	280	1666	12686	75	1965
NC YTD Tot	9	1902	9	989	2	65	25	2110	10	931
C&F YTD	1386	18977	623	27303	82	653	4165	28905	269	2964
C&F NC YTD*	44	5667	46	7105	2	65	81	5490	12	997

Other Manufacturing Technology

1000000000	0	15266	0	6707	0	1028	0	13638	0	1299
2000000000	0	2729	0	1522	0	708	0	6853	0	1059
2710003070	0	112	0	30	0	10	0	94	0	64
8428900010	4	37	0	0	3	4	0	0	0	0
8431390090	0	502	0	388	0	0	0	2214	0	378
8456100000	51	3713	5	100	15	406	1	27	3	381
200000	0	0	0	0	0	0	1	33	0	0
8477106010	0	0	5	496	0	0	24	2007	0	0
106070	1	85	0	0	0	0	31	1315	1	48
200010	0	0	0	0	0	0	19	749	0	0
200050	20	2198	17	429	1	23	47	906	0	0
300000	0	0	1	484	0	0	25	1404	0	0
400000	8	177	32	1170	2	4	3883	1506	0	0
510010	16	402	0	0	1	8	5	134	0	0
510090	2	3	19	2841	0	0	47	226	0	0
590000	72	239	27	427	0	0	64	728	2	37
800000	24	2238	39	587	1	15	309	3836	6	151
8479899040	6	96	14	154	7	112	24	327	1	15
908040	0	354	0	3156	0	3	0	6	0	11
8537100030	16	258	17	195	0	0	2	43	0	0
9024100000	0	3217	0	1285	0	129	0	388	0	89
9031100000	0	75	0	3628	0	0	0	1292	0	8
300000	0	758	0	25	0	0	0	48	0	7
9032810040	6354	521	9562	370	52	3	1434	291	27857	1479

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8465300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and other Manufacturing Technology
January 90 - March 90

Metal Forming

	Singapore		Spain		Switzerland		Taiwan		Thailand	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	7	25
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	3	302	2	105	0	0	1	64
210080	0	0	1	31	1	30	4	194	0	0
290030	0	0	1	41	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	2	39	0	0	3	68	5	119	8	175
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	1	22	0	0
410080	0	0	0	0	0	0	6	454	0	0
490050	4	566	1	70	0	0	4	330	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	1	17	0	0	1	15	2	58	0	0
990030	0	0	0	0	0	0	5	596	0	0
990040	1	30	0	0	1	120	12	550	0	0
990060	2	65	0	0	2	504	61	1427	0	0
8463100080	0	0	4	101	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	2	50	1	27	0	0	1	85
900080	5	153	1	169	0	0	6	1684	0	0
9800000002	12	135	1	45	0	0	13	87	1	17
9900000002	73	66	0	0	92	79	0	0	8	4
Y-T-D Tot	100	1071	14	808	103	947	119	5521	26	370
NC YTD Tot	0	0	1	31	1	30	15	1244	0	0
C&F YTD	681	2899	84	2146	258	2907	363	8083	56	1336
C&F NC YTD*	9	465	2	299	3	449	27	2054	1	91

Other Manufacturing Technology

1000000000	0	3262	0	2310	0	1634	0	2883	0	1292
2000000000	0	791	0	387	0	585	0	915	0	350
2710003070	0	37	0	0	0	0	0	297	0	19
8428900010	0	0	0	0	0	0	0	0	0	0
8431390090	0	638	0	5	0	139	0	348	0	0
8456100000	4	99	7	155	2	165	3	730	0	0
200000	0	0	2	53	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106070	0	0	0	0	4	170	0	0	0	0
200010	0	0	0	0	0	0	4	816	0	0
200050	0	0	0	0	0	0	0	0	0	0
300000	0	0	10	977	6	424	16	588	0	0
400000	1	10	0	0	9	14	3	21	0	0
510010	2	32	14	372	0	0	0	0	0	0
510090	0	0	0	0	1	24	3	89	0	0
590000	2	39	5	56	16	78	8	236	0	0
800000	7	236	2	497	25	63	5	13	1	33
8479899040	32	195	8	281	59	566	2	159	0	0
908040	0	72	0	62	0	94	0	5	0	0
8537100030	1	16	3	24	10	145	5	69	5	55
9024100000	0	136	0	392	0	527	0	259	0	0
9031100000	0	28	0	14	0	0	0	125	0	0
300000	0	46	0	0	0	7	0	49	0	0
9032810040	3009	537	2948	156	433	27	2401	458	20822	192

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8465300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and other Manufacturing Technology
January 90 - March 90

Metal Forming

	U.K.		USSR		Venezuela		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	13	188	0	0	0	0	0	0	12	257
8462100030	0	0	0	0	0	0	2	438	0	0
100050	5	378	0	0	0	0	0	0	11	693
210080	0	0	0	0	1	28	2	128	16	756
290030	0	0	0	0	0	0	0	0	2	89
290040	0	0	0	0	2	70	0	0	2	86
290050	4	67	0	0	0	0	27	635	35	984
310080	0	0	0	0	0	0	0	0	0	0
390050	25	711	0	0	0	0	4	52	10	275
410080	4	922	0	0	0	0	1	254	0	0
490050	5	196	0	0	0	0	6	146	37	1240
910060	2	401	0	0	0	0	0	0	3	18
910090	11	114	0	0	0	0	5	230	11	530
990030	3	206	0	0	0	0	0	0	10	398
990040	1	599	0	0	0	0	1	215	0	0
990060	46	1132	0	0	3	78	13	1420	11	1288
8463100080	2	85	0	0	0	0	11	103	6	156
200080	0	0	0	0	0	0	1	48	2	43
300080	7	215	0	0	1	15	38	1634	24	2325
900080	99	1269	0	0	1	15	44	1060	114	4213
9800000002	20	149	0	0	1	40	27	750	214	2077
9900000002	192	161	0	0	36	30	212	148	253	192
Y-T-D Tot	439	6794	0	0	45	276	394	7263	773	15621
NC YTD Tot	9	1529	0	0	1	28	3	382	29	1172
C&F YTD	1280	24690	14	3208	337	1650	1046	17935	2182	23771
C&F NC YTD*	77	15159	0	0	1	28	20	2660	60	4238

Other Manufacturing Technology

1000000000	0	22062	0	817	0	1265	0	20390	0	26934
2000000000	0	2455	0	0	0	1174	0	4298	0	16135
2710003070	0	29	0	0	0	4	0	49	0	653
8428900010	1	13	0	0	0	0	3	141	1	11
8431390090	0	709	0	0	0	65	0	306	0	6975
8456100000	16	585	0	0	0	0	3	43	31	873
200000	4	93	0	0	0	0	0	0	13	345
8477106010	1	100	0	0	1	25	0	0	1	63
106070	9	646	0	0	0	0	14	1625	3	100
200010	3	47	0	0	1	40	0	0	13	408
200050	1	10	0	0	0	0	21	543	31	897
300000	1	11	0	0	0	0	5	83	32	1867
400000	1	120	0	0	0	0	0	0	65	7
510010	12	353	0	0	13	304	7	208	48	930
510090	10	3	3	84	0	0	5	113	17	3603
590000	29	342	1	15	0	0	21	405	16	247
800000	18	2066	0	0	88	29	17	358	82	2280
8479899040	55	507	1	46	1	6	210	4412	80	788
908040	0	696	0	0	0	17	0	1558	0	273
8537100030	247	3536	0	0	0	0	57	936	82	1180
9024100000	0	2191	0	248	0	136	0	2048	0	1327
9031100000	0	113	0	0	0	218	0	69	0	321
300000	0	6	0	0	0	0	0	123	0	41
9032810040	17538	1405	3	17	2188	205	13092	776	14708	1180

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8465300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 90 - March 90

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Bulgaria	0	0	0	0	0	0
Czechoslovakia	0	0	0	0	0	0
Denmark	7	288	18	3	25	291
East Germany	0	0	1	80	1	80
Finland	13	38	16	462	29	500
Greece	88	58	0	0	88	58
Hungary	0	0	0	0	0	0
Iceland	0	0	0	0	0	0
Ireland	18	437	20	69	38	506
Luxembourg	0	0	0	0	0	0
Norway	48	345	4	45	52	390
Poland	15	22	9	363	24	385
Portugal	2	3	59	1045	61	1047
Romania	0	0	0	0	0	0
Sweden	30	792	52	1409	82	2201
Turkey	20	16	4	150	24	166
Yugoslavia	3	957	3	252	6	1209
Oth Europe	0	0	0	0	0	0
TOTAL	3475	54666	1524	31029	4999	85695
NORTH AND CENTRAL AMERICA						
Bahamas	0	0	0	0	0	0
Barbados	0	0	3	8	3	8
Belize	2	9	4	3	6	12
Bermuda	18	12	0	0	18	12
Costa Rica	4	25	5	45	9	70
Dominican Rep	14	97	74	1104	88	1201
El Salvador	0	0	7	99	7	99
Guatemala	8	19	7	38	15	56
Haiti	0	0	3	32	3	32
Honduras	77	344	12	25	89	368
Jamaica	22	80	4	4	26	84
Panama	0	0	2	42	2	42
Trinidad	1	4	3	61	4	65
Oth N & C Am.	9	112	7	158	16	270
TOTAL	4155	59128	2833	32737	6988	91865
SOUTH AMERICA						
Argentina	4	62	2	33	6	95
Bolivia	0	0	0	0	0	0
Chile	68	778	25	51	93	829
Colombia	24	210	45	708	69	918
Ecuador	49	96	2	5	51	101
Paraguay	0	0	0	0	0	0
Peru	6	63	7	166	13	229
Uruguay	0	0	0	0	0	0
Oth South Am.	0	0	0	0	0	0
TOTAL	657	8682	333	2302	990	10984
OCEANIA						
New Zealand	22	249	20	379	42	628
Oth Oceania	0	0	0	0	0	0
TOTAL	644	4867	123	1381	767	6248

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 90 - March 90

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
Bangladesh	0	0	0	0	0	0
Hong Kong	573	991	57	553	630	1544
Iran	0	0	0	0	0	0
Iraq	1	4	46	4366	47	4370
Israel	32	539	30	902	62	1441
Jordan	0	0	1	5	1	5
Kuwait	2	18	2	135	4	153
Laos	0	0	0	0	0	0
Lebanon	0	0	0	0	0	0
Macao	0	0	0	0	0	0
Oman	0	0	0	0	0	0
Pakistan	13	178	0	0	13	178
Philippines	36	199	125	914	161	1113
Qatar	0	0	0	0	0	0
Saudi Arabia	17	166	52	949	69	1115
Sri Lanka	2	52	0	0	2	52
Syria	0	0	0	0	0	0
United Arab Emr	18	17	13	19	31	35
Vietnam	0	0	0	0	0	0
Oth Asia	2	9	0	0	2	9
TOTAL	3408	45014	1295	47893	4703	92907
AFRICA						
Algeria	0	0	2	134	2	134
Botswana	0	0	0	0	0	0
Egypt	17	47	18	562	35	609
Ethiopia	0	0	0	0	0	0
Gabon	0	0	0	0	0	0
Ghana	0	0	0	0	0	0
Guinea	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Malawi	0	0	0	0	0	0
Mauritius	0	0	0	0	0	0
Morocco	0	0	0	0	0	0
Niger	0	0	0	0	0	0
Nigeria	56	107	0	0	56	107
South Africa	67	707	9	244	76	951
Sudan	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Tunisia	0	0	0	0	0	0
Zaire	0	0	0	0	0	0
Zambia	0	0	0	0	0	0
Zimbabwe	1	3	0	0	1	3
Oth Africa	0	0	0	0	0	0
TOTAL	141	863	29	940	170	1804

Note: Region totals include top countries detailed by product as well as countries listed above.

Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include code 8456300000.

U.S. IMPORTS - Metal Cutting Machine Tools - January 90 - March 90

RELEASED: May 30, 1990

		TOTAL YTD UNITS	TOTAL YTD $000
8456301010	Traveling wire electro-discharge machines, NC *	273	16002
301050	Electro-discharge machines, n.e.c., NC	49	2203
301070	Electro-discharge machines, n.e.c., non-NC	94	2116
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm(26")	624	51303
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm(26")	37	6157
100035	Horiz. mach. ctrs., ATC	178	40807
100045	Mach. ctrs., n.e.c.	61	6101
200010	Unit construction mach. (single station transfer), NC	13	1295
200090	Unit construction mach. (single station transfer), non-NC	0	0
300010	Multi-station transfer machines, NC	8	3535
300090	Multi-station transfer machines, non-NC	19	5696
8458110010	Horiz. lathes, multiple spindle, NC	82	12739
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	653	45384
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	154	20396
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	18	4542
190030	Horiz. engine or toolroom lathes, non-NC	1048	9948
190050	Automatic bar and/or chucking mach., single spindle, non-NC	107	5248
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	42	3433
190090	Horiz. lathes, n.e.c., non-NC	407	4078
911060	Vertical turret lathes, multiple spindle, NC	13	2154
911080	Vertical turret lathes, n.e.c., NC	7	1479
915050	Vertical lathes, excl. VTL's, mult. spindle, NC	0	0
915070	Vertical lathes, excl. VTL's, n.e.c., NC	22	2786
991050	Vertical turret lathes, non-NC	41	771
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	250	4371
8459100000	Way-type unit head machines	0	0
210080	Other drilling machines, NC	101	6977
290040	Drilling machines, multiple spindle, non-NC	40	1125
290050	Drilling machines, radial, non-NC	113	851
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	18	184
290090	Drilling machines, n.e.c., non-NC	112	2938
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	2	297
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	24	2415
310070	Boring-milling mach., n.e.c., NC	12	636
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	8	526
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	28	895
400040	Boring machines, vertical, NC	0	0
400050	Boring machines, vertical, non-NC	13	477
400070	Boring machines, n.e.c., NC	7	396
400080	Boring machines, n.e.c., non-NC	44	1675
510080	Milling machines, knee type, NC	116	2482
590030	Milling machines, knee type, non-NC	927	6558
610080	Milling machines, excl. knee type, n.e.c., NC	75	3836
690050	Milling machines, profile, dup., or die sinking, non-NC	6	28
690070	Milling machines, bed type, non-NC	21	771
690090	Milling machines, n.e.c., non-NC	164	5584
700020	Threading or tapping machines, n.e.c., NC	47	2223
700080	Threading or tapping machines, n.e.c., non-NC	53	1130
8460110080	Flat surface grinding mach., NC	25	1754
190010	Flat surface grinding mach., recip.-table type, non-NC	261	3383
190050	Flat surface grinding mach., n.e.c., non-NC	512	4791
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	113	20553
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	124	4208
290030	Grinding mach., internal cylindrical, non-NC	28	3035
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	250	9996
310080	Sharpening machines (tool & cutter grinding), NC	65	1278
390050	Sharpening machines (tool & cutter grinding), non-NC	237	2757
400060	Honing or lapping machines, NC	10	974
400080	Honing or lapping machines, non-NC	64	1658
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	15	693
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	372	10901
8461100060	Planing machines, NC	0	0
100080	Planing machines, non-NC	1	5
200010	Shaping or slotting machines, NC	65	2295
200090	Shaping or slotting machines, non-NC	72	1116
300060	Broaching machines, NC	2	5118
300080	Broaching machines, non-NC	17	917
401020	Gear cutting for bevel gears	0	0
401030	Gear hobbers	15	2136
401040	Gear shapers	8	2243
401060	Gear cutting machines, n.e.c.	63	416
405050	Gear grinding or finishing for bevel gears	41	586
405070	Gear grinding or finishing machines, n.e.c.	23	7161
500050	Sawing or cutting-off machines, NC	46	1604
500090	Sawing or cutting-off machines, non-NC	482	7745
9000000001	Metal cutting machine tools, n.e.c.	113	2864
9800000001	Used or rebuilt machine tools	464	8036
9900000001	Machine tools valued at less than $2,500	207035	22957
	Y-T-D Cutting Total	216654	425730
	NC Y-T-D Cutting Total	2922	270588

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - January 90 - March 90

	Belgium		Brazil		Canada		France		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301010	0	0	0	0	0	0	3	152	0	0
301050	0	0	0	0	0	0	0	0	0	0
301070	0	0	0	0	0	0	12	156	0	0
8457100015	0	0	0	0	0	0	1	65	0	0
100025	0	0	0	0	0	0	5	513	0	0
100035	0	0	0	0	0	0	1	209	0	0
100045	0	0	0	0	1	2	0	0	4	102
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	1	78	0	0	1	980
300090	0	0	0	0	4	1840	0	0	3	1318
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	3	31	0	0
110050	0	0	0	0	0	0	12	1472	1	107
110090	0	0	0	0	0	0	0	0	2	1413
190030	0	0	203	1363	14	239	3	74	0	0
190050	0	0	5	22	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	262	1503	0	0	2	6	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	1	488	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	1	2	0	0	2	370
991050	0	0	0	0	0	0	2	248	0	0
995090	0	0	71	290	23	70	11	615	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	1	435	4	468	1	146	0	0
290040	0	0	0	0	0	0	1	4	4	23
290050	0	0	24	236	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	6	194	4	403	6	1155
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	2	37	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	1	15	0	0	9	233
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	10	151
400070	0	0	0	0	0	0	0	0	6	95
400080	0	0	0	0	23	174	0	0	13	95
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	1	827	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	1	5	0	0	6	3682
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	3	42	0	0	3	48
8460110080	1	104	0	0	0	0	0	0	2	60
190010	0	0	0	0	0	0	0	0	17	324
190050	0	0	0	0	8	33	1	8	2	30
210080	0	0	0	0	0	0	1	39	1	92
290010	0	0	0	0	52	335	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	12	54	0	0	8	169
310080	0	0	0	0	0	0	6	13	0	0
390050	0	0	0	0	10	30	2	48	3	23
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	1	25
900060	0	0	0	0	1	4	0	0	7	133
900080	1	3	0	0	19	294	11	49	65	3205
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	3	8	0	0	25	70	0	0	1	155
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	1	41
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	1	184
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	1	172	1	3	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	1	6	0	0	1	76
500050	0	0	0	0	0	0	0	0	1	7
500090	5	20	0	0	69	772	4	120	78	512
9000000001	0	0	0	0	4	68	44	792	6	35
9800000001	3	403	0	0	31	178	1	73	3	14
9900000001	2	3	16	34	148	142	371	311	10737	1739
Y-T-D Tot	15	540	583	4055	466	5980	503	6035	11005	16596
NC YTD Tot	1	104	1	435	11	1417	34	3128	28	3380

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - January 90 - March 90

	Japan		Korea		Singapore		Spain		Sweden	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301010	190	13535	0	0	0	0	0	0	0	0
301050	26	1582	0	0	0	0	1	18	1	2
301070	3	215	0	0	0	0	0	0	0	0
8457100015	365	35433	10	611	54	3042	2	156	0	0
100025	29	5350	0	0	0	0	0	0	0	0
100035	135	32772	0	0	0	0	0	0	0	0
100045	6	1338	0	0	0	0	0	0	0	0
200010	0	0	12	1214	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	4	1983	0	0	0	0	0	0	0	0
300090	2	1150	0	0	0	0	0	0	0	0
8458110010	70	10563	0	0	0	0	0	0	0	0
110030	547	41201	15	874	0	0	0	0	0	0
110050	138	18250	0	0	0	0	0	0	0	0
110090	9	1881	0	0	0	0	1	150	0	0
190030	18	275	30	362	80	959	8	387	0	0
190050	14	1115	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	9	1265	5	151	0	0	0	0	0	0
911060	5	902	1	159	0	0	0	0	1	201
911080	6	991	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	5	1144	2	204	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	2	186	30	1754	0	0	7	72	2	18
8459100000	0	0	0	0	0	0	0	0	0	0
210080	85	5628	0	0	0	0	0	0	1	7
290040	2	269	0	0	0	0	0	0	0	0
290050	2	32	0	0	0	0	2	64	2	44
290070	6	128	0	0	0	0	0	0	8	25
290090	13	578	0	0	0	0	55	330	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	6	201	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	1	32	1	4
390050	0	0	0	0	0	0	4	544	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	1	316	0	0	0	0	0	0	0	0
400070	1	301	0	0	0	0	0	0	0	0
400080	3	1126	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	14	195	0	0
590030	19	370	0	0	0	0	428	3345	0	0
610080	7	1359	0	0	6	250	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	8	198	0	0	0	0	0	0	2	314
690090	10	716	0	0	0	0	14	38	0	0
700020	47	2223	0	0	0	0	0	0	0	0
700080	32	708	0	0	0	0	0	0	0	0
8460110080	10	482	0	0	0	0	1	12	1	379
190010	75	1245	0	0	90	1135	0	0	0	0
190050	11	628	1	22	4	78	2	139	2	6
210080	62	9548	0	0	0	0	0	0	2	856
290010	8	473	0	0	0	0	0	0	2	167
290030	1	18	0	0	0	0	0	0	1	333
290050	66	7104	0	0	0	0	0	0	1	4
310080	6	312	0	0	0	0	0	0	0	0
390050	33	805	0	0	0	0	0	0	0	0
400060	7	580	0	0	0	0	0	0	0	0
400080	7	583	0	0	0	0	0	0	19	421
900060	6	474	0	0	0	0	0	0	0	0
900080	52	2608	13	109	0	0	0	0	1	7
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	63	2009	0	0	0	0	0	0	0	0
200090	1	83	0	0	37	230	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	2	50	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	5	640	0	0	0	0	0	0	0	0
401040	0	0	0	0	0	0	0	0	0	0
401060	1	175	0	0	0	0	0	0	0	0
405050	40	120	0	0	0	0	0	0	0	0
405070	5	1106	0	0	0	0	0	0	0	0
500050	7	298	0	0	0	0	0	0	0	0
500090	58	2268	0	0	0	0	8	62	1	8
9000000001	10	390	0	0	0	0	0	0	4	157
9800000001	110	2322	0	0	0	0	9	288	6	99
9900000001	11796	1920	1006	323	8	1	0	0	307	352
Y-T-D Tot	14267	221518	1125	5782	279	5695	557	5832	365	3405
NC YTD Tot	1846	190488	40	3060	60	3292	19	531	6	1445

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - January 90 - March 90

	Switzerland		Taiwan		U.K.		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301010	47	1971	31	270	0	0	0	0	2	74
301050	8	229	6	127	6	31	1	214	0	0
301070	16	797	42	633	4	14	1	41	16	260
8457100015	1	583	16	1367	132	7369	10	1010	33	1667
100025	0	0	3	294	0	0	0	0	0	0
100035	0	0	6	788	1	94	35	6944	0	0
100045	3	447	14	912	4	181	28	3087	1	32
200010	0	0	0	0	0	0	1	81	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	1	89	1	405	0	0
300090	9	1249	0	0	0	0	1	140	0	0
8458110010	0	0	0	0	5	645	7	1531	0	0
110030	5	390	35	1890	5	214	0	0	43	785
110050	0	0	2	113	0	0	0	0	1	454
110090	0	0	0	0	1	104	5	994	0	0
190030	5	14	207	1652	137	1748	0	0	343	2877
190050	8	827	69	546	8	487	3	2252	0	0
190070	9	2044	27	166	0	0	2	1088	4	135
190090	2	46	0	0	40	545	0	0	87	562
911060	4	193	0	0	0	0	1	622	1	78
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	3	489	9	579
991050	5	358	10	36	0	0	0	0	24	129
995090	2	74	0	0	27	749	17	104	58	440
8459100000	0	0	0	0	0	0	0	0	0	0
210080	1	37	0	0	1	170	6	82	1	5
290040	6	627	25	71	0	0	0	0	2	130
290050	0	0	40	225	0	0	2	16	41	235
290070	0	0	4	31	0	0	0	0	0	0
290090	0	0	0	0	0	0	4	96	24	182
310010	0	0	2	297	0	0	0	0	0	0
310040	0	0	1	1	2	472	3	1394	16	511
310070	2	61	1	9	0	0	1	255	2	110
390040	0	0	1	19	0	0	4	415	1	57
390050	0	0	14	103	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	2	10	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	1	11	0	0	3	71	1	200	0	0
510080	1	92	55	579	40	1371	1	122	5	124
590030	0	0	333	1762	81	468	5	309	61	303
610080	5	86	35	600	6	384	4	262	11	67
690050	0	0	5	24	0	0	1	4	0	0
690070	0	0	10	204	0	0	1	55	0	0
690090	3	196	63	355	0	0	10	436	57	154
700020	0	0	0	0	0	0	0	0	0	0
700080	1	6	0	0	2	49	12	277	0	0
8460110080	0	0	3	72	4	183	2	457	1	6
190010	0	0	43	252	0	0	35	411	1	16
190050	10	143	404	2788	25	489	23	217	19	211
210080	9	1393	0	0	1	88	36	8397	1	140
290010	20	1923	6	120	7	329	3	607	26	254
290030	8	1020	0	0	3	68	7	1525	8	71
290050	5	180	41	164	33	466	68	1452	16	405
310080	5	39	24	132	2	432	20	347	2	5
390050	26	323	44	211	55	366	61	733	3	218
400060	0	0	0	0	0	0	3	394	0	0
400080	0	0	0	0	15	170	8	249	14	210
900060	0	0	0	0	0	0	1	82	0	0
900080	13	334	29	187	27	121	95	3357	46	628
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	1	5
200010	0	0	0	0	0	0	2	286	0	0
200090	1	17	0	0	2	8	2	544	0	0
300060	0	0	0	0	2	5118	0	0	0	0
300080	0	0	0	0	0	0	14	825	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	2	15	6	1276	1	21
401040	0	0	0	0	0	0	8	2243	0	0
401060	0	0	0	0	14	35	46	31	0	0
405050	1	467	0	0	0	0	0	0	0	0
405070	1	5	0	0	4	648	8	5200	3	120
500050	0	0	2	50	0	0	36	1249	0	0
500090	4	90	47	240	37	163	77	2950	94	540
9000000001	4	511	0	0	1	3	14	742	26	167
9800000001	69	505	15	162	102	2133	89	1716	26	142
9900000001	177	100	158449	14449	842	559	1428	816	21748	2208
Y-T-D Tot	497	17388	160164	31902	1686	26661	2263	59029	22879	15313
NC YTD Tot	91	5522	236	7504	213	16945	207	28704	129	4634

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 90 - March 90

RELEASED: May 30, 1990

Metal Forming Machine Tools		TOTAL UNITS	YTD $000
8454300010	Die casting machines	109	5811
8462100030	Headers and upsetters, including cold headers	36	3995
100050	Forging or die stamping machines, and hammers, n.e.c.	271	15926
210080	Bending, folding, straight. or flat. mach., incl presses, NC	146	6793
290030	Press brakes, non-NC	61	1598
290040	Bending rolls, non-NC	29	913
290050	Bending, folding, straight., or flat., n.e.c., non-NC	313	10429
310080	Shearing machines, NC	15	1141
390050	Shearing machines, non-NC	137	4161
410080	Punching or notching mach., incl. comb. punch & shear, NC	95	11238
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	188	3070
910060	Hydraulic presses, NC	4	824
910090	Hydraulic presses, non-NC	545	3363
990030	Presses, n.e.c., NC	36	3269
990035	Mechanical transfer presses, non-NC	0	0
990045	Mechanical presses, n.e.c., non-NC	31	833
990060	Presses, n.e.c., non-NC	191	6553
8463100080	Draw benches for bars, tubes, profiles, wire or the like	10	459
200080	Thread rolling machines	31	1454
300080	Machines for working wire	467	20091
900080	Metal forming machine tools, n.e.c.	136	4786
9800000002	Used or rebuilt machine tools	194	4556
9900000002	Machine tools valued at less than $2,500	3297	1476
	Y-T-D Forming Total	6342	112739
	NC Y-T-D Forming Total	296	23265
	Cutting and Forming Totals:		
	Y-T-D Total	222996	538469
	NC Y-T-D Total	3218	293853

Other Manufacturing Technology		TOTAL UNITS	YTD $000
1000000000	Machine tool parts and accessories	0	147266
2000000000	Parts for working rubber or plastics - heading 8477	0	80862
2710003070	Quenching or cutting oils	0	54
8428900010	Industrial robots for lifting, handling, loading or unload	937	12351
8431390080	Parts industrial robots, handling and loading - heading 8428	0	23615
8456101010	Laser, light or photon beam for working metal, NC	48	9067
101020	Laser, light or photon beam for working metal, non-NC	30	432
105000	Laser, light or photon beam for other materials	40	331
201010	Ultrasonic processes for working metal, NC	0	0
201050	Ultrasonic processes for working metal, non-NC	2	22
205000	Ultrasonic processes for working other materials	4	184
8477103000	Injection molding mach., for manufacturing shoes	19	937
106010	Injection molding mach., for rubber or oth. thermosetting	216	18229
106050	Injection molding mach., for thermoplastics	688	59750
200010	Extruders for rubber or other thermosetting materials	48	3569
200050	Extruders for processing thermoplastics	240	16018
300000	Blow molding machines	130	9534
400000	Vacuum-molding and other thermoforming machines	25	1227
510010	Machines for molding or retreading pneumatic tires	188	13759
510090	Machines for molding or otherwise forming inner tubes	71	4487
590000	Machines for molding or otherwise forming n.e.c.	203	24861
800000	Machines for working rubber or plastics n.e.c.	1461	33851
8479899040	Industrial robots, n.e.c.	3886	20389
908040	Industrial robot parts	0	8226
8537100030	Numerical controls for controlling machine tools	4585	10728
9024100000	Machines and appliances for testing metals	0	2666
9031100000	Machines for balancing mechanical parts	0	1646
300000	Profile projectors	0	1426
9032810020	Industrial process control instr., hydraulic	34377	366
810060	Industrial process control instr., pneumatic	43788	1036

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. IMPORTS

Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology

January 90 - March 90

Metal Forming

	Belgium		Brazil		Canada		France		Italy	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	23	1439	0	0	0	0
8462100030	0	0	0	0	0	0	1	12	10	1196
100050	0	0	0	0	16	771	94	84	9	648
210080	1	239	0	0	5	234	2	20	5	255
290030	9	311	0	0	45	1178	0	0	0	0
290040	0	0	0	0	7	49	0	0	4	175
290050	2	14	0	0	123	2818	0	0	26	247
310080	9	428	0	0	0	0	0	0	0	0
390050	23	468	0	0	25	536	1	15	6	427
410080	1	1068	0	0	1	10	0	0	1	54
490050	0	0	0	0	13	640	0	0	10	95
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	32	1577	2	2	4	62
990030	0	0	0	0	0	0	0	0	28	189
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	0	0	1	5	0	0	1	10
990060	0	0	0	0	61	2115	5	19	19	418
8463100080	1	228	0	0	0	0	0	0	5	45
200080	0	0	0	0	1	11	0	0	1	48
300080	63	2287	0	0	12	1693	1	24	68	6043
900080	0	0	0	0	13	618	1	109	9	231
9800000002	22	526	0	0	59	721	1	51	2	1008
9900000002	0	0	0	0	47	43	19	33	129	58
Y-T-D Tot	131	5570	0	0	484	14457	127	368	337	11208
NC YTD Tot	11	1735	0	0	6	244	2	20	34	497
C&F Y-T-D	146	6110	583	4055	950	20438	630	6403	11342	27804
C&F NC YTD	12	1839	1	435	17	1661	36	3148	62	3878

Other Manufacturing Technology

1000000000	0	2556	0	76	0	22609	0	2455	0	5144
2000000000	0	2074	0	18	0	15665	0	4844	0	2300
2710003070	0	0	0	0	0	5	0	0	0	0
8428900010	0	0	0	0	92	1997	1	49	2	1361
8431390080	0	18	0	85	0	3198	0	157	0	768
8456101010	0	0	0	0	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	4	152	0	0	1	5
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	1	8	0	0
8477103000	0	0	0	0	0	0	0	0	9	751
106010	0	0	0	0	6	1198	16	1893	1	125
106050	0	0	0	0	125	12475	4	716	33	3941
200010	3	16	0	0	10	88	0	0	7	91
200050	1	2	0	0	22	446	1	70	22	3193
300000	0	0	0	0	2	336	1	52	1	19
400000	0	0	0	0	4	107	0	0	0	0
510010	1	5	0	0	38	3480	28	125	11	643
510090	0	0	0	0	0	0	2	16	14	20
590000	0	0	0	0	10	597	1	134	26	795
800000	64	635	0	0	82	1320	306	3134	18	707
8479899040	9	152	0	0	583	742	0	0	3	161
908040	0	101	0	0	0	124	0	41	0	121
8537100030	0	0	0	0	5	21	0	0	77	77
9024100000	0	6	0	0	0	99	0	38	0	82
9031100000	0	0	0	0	0	13	0	53	0	92
300000	0	0	0	0	0	7	0	0	0	9
9032810020	0	0	0	0	8	45	0	0	42	1
810060	2	1	0	0	0	0	0	0	1564	145

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 90 - March 90

Metal Forming

	Japan		Korea		Singapore		Spain		Sweden	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	45	3075	0	0	0	0	0	0	0	0
8462100030	24	2647	0	0	0	0	0	0	0	0
100050	60	8183	1	32	5	9	1	6	8	292
210080	102	4516	0	0	0	0	0	0	2	195
290030	3	77	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	5	436
290050	35	3078	0	0	0	0	0	0	35	592
310080	4	683	0	0	0	0	0	0	0	0
390050	26	1772	1	30	0	0	0	0	5	70
410080	41	4796	0	0	0	0	0	0	0	0
490050	9	215	0	0	0	0	45	457	5	90
910060	0	0	0	0	0	0	0	0	1	243
910090	117	1038	0	0	0	0	1	14	1	150
990030	5	2669	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	14	705	0	0	0	0	0	0	0	0
990060	27	1169	0	0	0	0	4	12	4	72
8463100080	2	179	0	0	0	0	0	0	0	0
200080	21	1054	0	0	0	0	7	322	0	0
300080	147	6156	0	0	0	0	0	0	1	4
900080	49	1014	0	0	0	0	4	31	2	249
980000000.	20	1718	0	0	0	0	0	0	2	20
9900000002	333	293	3	1	0	0	68	58	224	52
Y-T-D Tot	1084	45039	5	64	5	9	130	901	295	2466
NC YTD Tot	152	12664	0	0	0	0	0	0	3	439
C&F Y-T-D	15351	266557	1130	5846	284	5704	687	6732	660	5871
C&F NC YTD	1998	203153	40	3060	60	3292	19	531	9	1884

Other Manufacturing Technology

1000000000	0	44854	0	577	0	1600	0	852	0	2958
2000000000	0	20232	0	239	0	182	0	69	0	410
2710003070	0	26	0	0	0	0	0	0	0	0
8428900010	244	5137	0	0	0	0	0	0	30	1139
8431390080	0	4162	0	54	0	0	0	26	0	380
8456101010	38	8027	0	0	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	0	0	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	1	5	0	0	0	0	0	0	0	0
205000	2	138	0	0	0	0	0	0	0	0
8477103000	0	0	0	0	0	0	0	0	0	0
106010	121	10185	4	184	4	243	0	0	0	0
106050	148	22299	13	283	1	13	0	0	1	15
200010	11	2772	1	8	0	0	0	0	0	0
200050	12	2214	1	11	0	0	0	0	25	1305
300000	39	2413	42	234	0	0	0	0	0	0
400000	0	0	0	0	0	0	0	0	0	0
510010	97	8201	0	0	0	0	0	0	0	0
510090	13	1501	3	19	0	0	0	0	1	2
590000	63	20970	2	38	0	0	0	0	2	140
800000	199	13105	0	0	2	600	0	0	2	21
8479899040	3121	14286	0	0	0	0	4	166	26	1388
908040	0	3434	0	0	0	6	0	0	0	232
8537100030	4301	10426	0	0	0	0	0	0	0	0
9024100000	0	618	0	0	0	0	0	0	0	0
9031100000	0	863	0	0	0	0	0	0	0	17
300000	0	590	0	0	0	0	0	0	0	0
9032810020	0	0	0	0	0	0	0	0	1	8
810060	258	32	0	0	0	0	0	0	2086	424

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
January 90 - March 90

Metal Forming

	Switzerland		Taiwan		U.K.		West Germany		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	2	355	0	0	1	81	4	859	34	2
8462100030	0	0	0	0	0	0	1	139	0	0
100050	7	2649	2	59	23	981	20	1397	25	815
210080	0	0	3	82	3	33	14	909	9	310
290030	0	0	4	32	0	0	0	0	0	0
290040	1	5	2	24	2	52	0	0	8	173
290050	6	250	14	131	11	566	12	2112	49	620
310080	2	30	0	0	0	0	0	0	0	0
390050	1	181	1	4	22	124	16	392	10	142
410080	4	865	0	0	1	83	40	3175	6	1186
490050	4	128	12	39	58	731	19	375	13	301
910060	0	0	0	0	0	0	3	580	0	0
910090	9	43	315	176	0	0	28	184	36	115
990030	2	149	0	0	0	0	1	263	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	10	45	0	0	1	7	4	62	0	0
990060	0	0	37	1190	11	564	14	857	9	136
8463100080	1	3	0	0	0	0	1	4	0	0
200080	0	0	0	0	0	0	0	0	1	19
300080	11	718	16	171	39	305	103	2592	6	97
900080	16	1484	4	125	19	147	18	774	1	5
9800000002	6	10	4	3	45	211	28	194	5	95
9900000002	152	35	1302	417	49	64	319	73	652	347
Y-T-D Tot	234	6950	1716	2453	285	3948	645	14942	864	4365
NC YTD Tot	8	1044	3	82	4	115	58	4928	15	1496
C&F Y-T-D	731	24338	161880	34355	1971	30608	2908	73971	23743	19678
C&F NC YTD	99	6566	239	7585	217	17061	265	33631	144	6130

Other Manufacturing Technology

1000000000	0	9017	0	4305	0	10239	0	31044	0	8981
2000000000	0	2523	0	1310	0	2387	0	23082	0	5527
2710003070	0	0	0	0	0	0	0	24	0	0
8428900010	2	163	0	0	39	909	524	735	3	861
8431390080	0	4303	0	426	0	2388	0	3592	0	4057
8456101010	0	0	0	0	6	723	1	104	3	213
101020	0	0	0	0	1	1	29	430	0	0
105000	4	10	0	0	24	136	1	20	6	8
201010	0	0	0	0	0	0	0	0	0	0
201050	1	17	0	0	0	0	0	0	0	0
205000	0	0	0	0	1	38	0	0	0	0
8477103000	1	149	5	32	3	4	1	2	0	0
106010	6	1386	29	1461	0	0	26	944	3	609
106050	16	2015	32	1419	7	56	223	11213	85	5305
200010	3	188	0	0	1	29	3	179	9	198
200050	7	2164	18	542	23	342	107	5621	1	109
300000	0	0	3	65	0	0	41	6328	1	86
400000	0	0	1	15	0	0	19	1021	1	84
510010	0	0	0	0	0	0	8	155	5	1150
510090	2	176	2	4	4	106	29	1919	1	725
590000	0	0	3	130	30	338	19	976	47	744
800000	168	1591	20	569	102	631	306	9787	192	1752
8479899040	3	497	0	0	13	182	31	2478	93	336
908040	0	402	0	29	0	664	0	2712	0	359
8537100030	0	0	0	0	8	32	139	127	5	46
9024100000	0	75	0	0	0	1044	0	56	0	647
9031100000	0	23	0	0	0	30	0	164	0	391
300000	0	35	0	0	0	598	0	186	0	1
9032810020	982	26	0	0	3450	21	1	2	29893	263
810060	0	0	23091	58	14	6	14490	86	2283	285

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 90 March 90

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Austria	646	2812	1	98	647	2910
Bulgaria	0	0	0		0	0
Czechoslovakia	24	248	1	86	25	334
Denmark	63	235	33	426	96	661
East Germany	156	670	150	4	306	674
Finland	4	93	39	1218	43	1310
Hungary	1	70	0	0	1	70
Ireland	3	24	0	0	3	24
Luxembourg	0	0	0	0	0	0
Netherlands	20	706	7	216	27	922
Norway	1	12	1	79	2	91
Poland	68	975	0	0	68	975
Portugal	48	184	19	355	67	539
Romania	0	0	0	0	0	0
USSR	2	35	0	0	2	35
Yugoslavia	229	2017	6	516	235	2533
Oth Europe	24	854	6	170	30	1024
TOTAL	18180	144419	2447	49520	20627	193939
NORTH AND CENTRAL AMERICA						
Barbados	0	0	0	0	0	0
Dominican Rep	127	56	1	5	128	61
Mexico	8	12	180	419	188	432
Oth N & C Am.	0	0	0	0	0	0
TOTAL	601	6049	665	14881	1266	20930
SOUTH AMERICA						
Argentina	8	56	0	0	8	56
Chile	0	0	0	0	0	0
Colombia	1	15	0	0	1	15
Paraguay	0	0	0	0	0	0
Peru	1	2	0	0	1	2
Uruguay	0	0	0	0	0	0
Venezuela	0	0	0	0	0	0
Oth South Am.	0	0	0	0	0	0
TOTAL	593	4128	0	0	593	4128
OCEANIA						
Australia	44	361	3	114	47	476
New Zealand	1	5	114	143	115	148
Oth Oceania	0	0	0	0	0	0
TOTAL	45	366	117	258	162	624

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
January 90 March 90

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
China	* 20901	3780	235	119	21136	3899
Hong Kong	382	292	2	5	384	297
India	56	535	1	18	57	553
Indonesia	0	0	0	0	0	0
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	55	1147	46	122	101	1269
Malaysia	0	0	1	150	1	150
Pakistan	0	0	0	0	0	0
Philippines	0	0	0	0	0	0
Thailand	0	0	0	0	0	0
Oth Asia	1	68	0	0	1	68
TOTAL	197230	270718	3095	47978	200325	318696
AFRICA						
Ghana	4	8	0	0	4	8
Kenya	0	0	0	0	0	0
Niger	0	0	0	0	0	0
South Africa	1	42	18	102	19	144
Swaziland	0	0	0	0	0	0
Oth Africa	0	0	0	0	0	0
TOTAL	5	50	18	102	23	152

Note: Region totals include top countries detailed by product as well as countries listed above.

Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 900000000I, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* Includes code 8456301030, Traveling wire electro-discharge machines, non-NC.